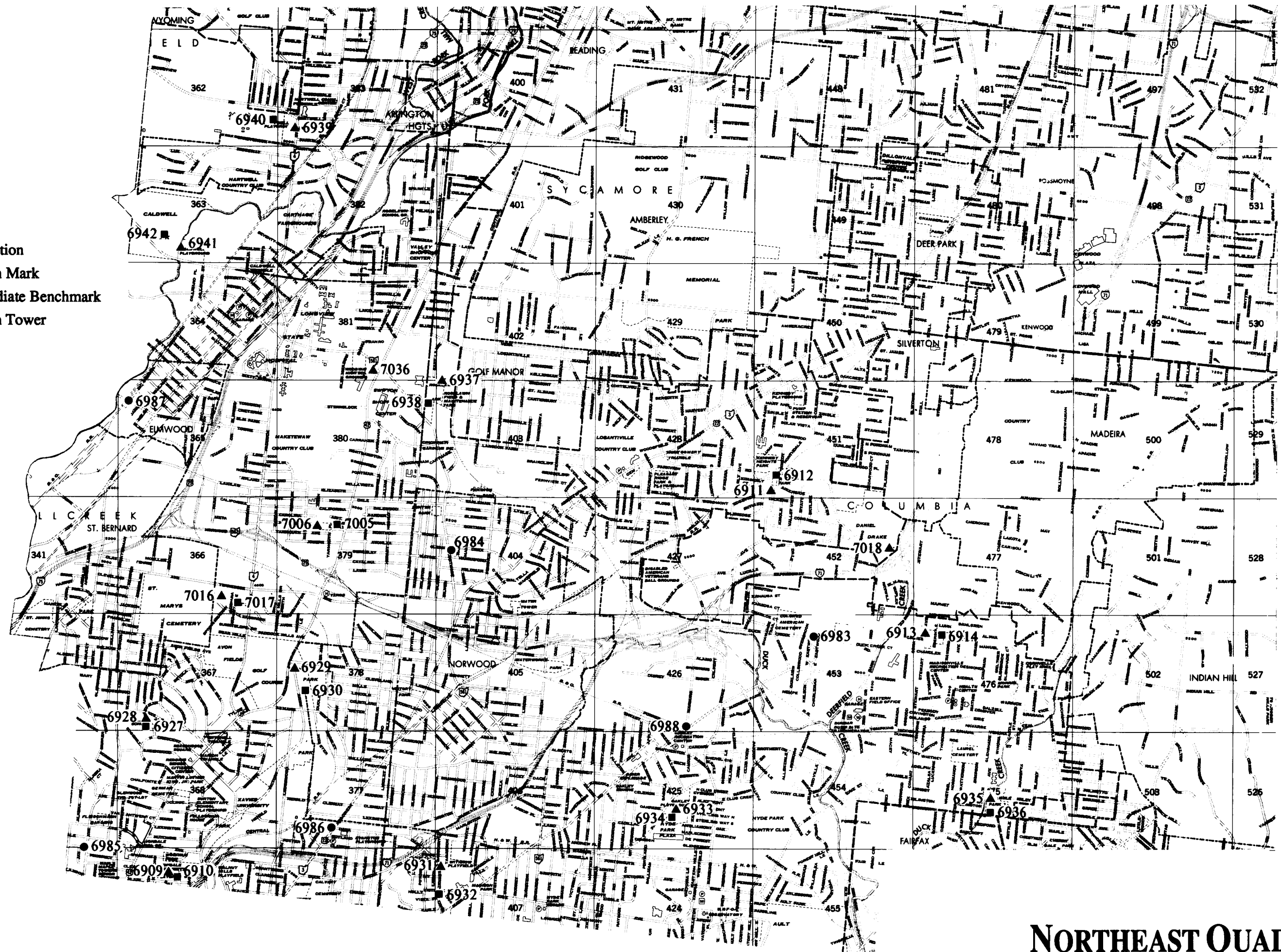

NORTHEAST QUADRANT



EASTWOOD DEVELOPMENT AREA

Legend

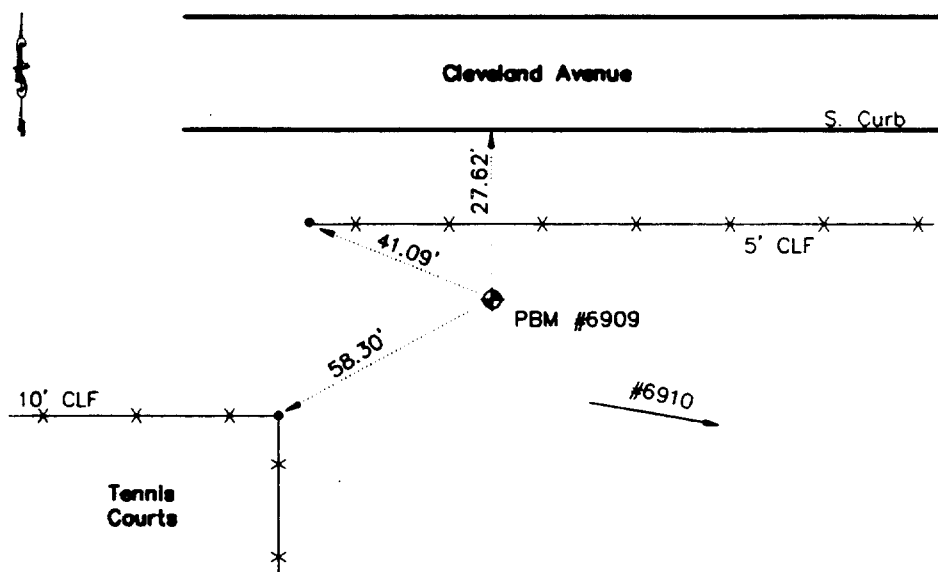
- ▲ GPS Station
- Azimuth Mark
- Intermediate Benchmark
- ★ Azimuth Tower



NORTHEAST QUADRANT

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: AVONDALE COMM. CENTER NORTH



STATION IS LOCATED AT AVONDALE COMMUNITY CENTER ON CLEVELAND AVENUE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO NORTH 0.40 MI (0.64 KM) ON MAIN TO CENTRAL PARKWAY, GO EAST AND NORTHEAST 2.60 MI (4.18 KM) (CENTRAL PARKWAY BECOMES READING ROAD) TO CLEVELAND AVENUE, GO EAST 0.20 MI (0.32 KM) TO THE STATION AT THE TENNIS COURTS ON THE RIGHT. THE STATION IS SET FLUSH WITH THE GROUND AND IS 27.62 FT (8.42 M) SOUTH OF THE SOUTH CURB OF CLEVELAND AVENUE, 41.09 FT (12.52 M) SOUTHEAST OF THE END POST OF A CHAIN LINK FENCE AND 58.30 FT (17.77 M) NORTHEAST OF THE NORTHEAST CORNER OF A CHAIN LINK FENCE BORDERING THE TENNIS COURTS.

Horizontal		Vertical	
Latitude (dms)	N 39 08 31.28964	Accuracy	2nd Order Class II
Longitude (dms)	W 84 29 17.58880	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	216.5709
Scale	0.99994481	Elevation in US Survey ft.	710.533
Convergence (dms)	-1 15 41.63	Final Adjusted Elevation from NGS	June
Accuracy	1st Order		1991
Datum	NAD 83		
Easting (X) in meters	428,135.953		
Northing (Y) in meters	128,671.900		
Easting (X) in US Survey ft.	1,404,642.707		
Northing (Y) in US Survey ft.	422,151.059		
Final Adjusted Coordinate from NGS	March 1992		

**Grid Bearing
to B.M. 6910**

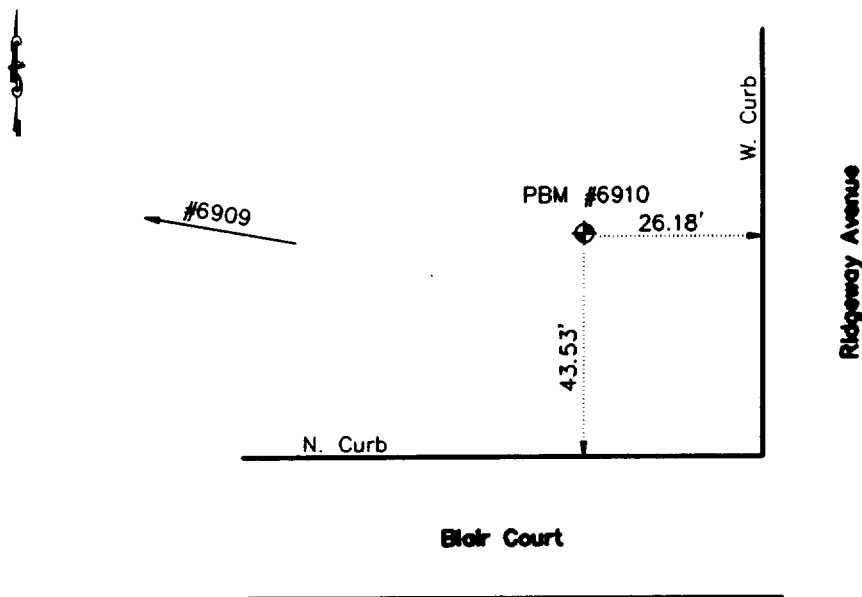
No. 6909

Neighborhood: Avondale

S 49 40 08 E

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: AVONDALE COMM. CENTER NORTH



STATION IS LOCATED AT AVONDALE COMMUNITY CENTER ON CLEVELAND AVENUE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO NORTH 0.40 MI (0.64 KM) ON MAIN TO CENTRAL PARKWAY, GO EAST AND NORTHEAST 2.60 MI (4.18 KM) (CENTRAL PARKWAY BECOMES READING ROAD) TO CLEVELAND AVENUE, GO EAST 0.20 MI (0.32 KM) TO THE STATION AT THE TENNIS COURTS ON THE RIGHT. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 26.18 FT WEST OF THE WEST CURB OF RIDGEWAY AVENUE AND 43.53 FT NORTH OF THE NORTH CURB OF BLAIR COURT.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	216.880
Elevation in US Survey feet	711.55
Final Adjusted Elevation from NGS	August 1992

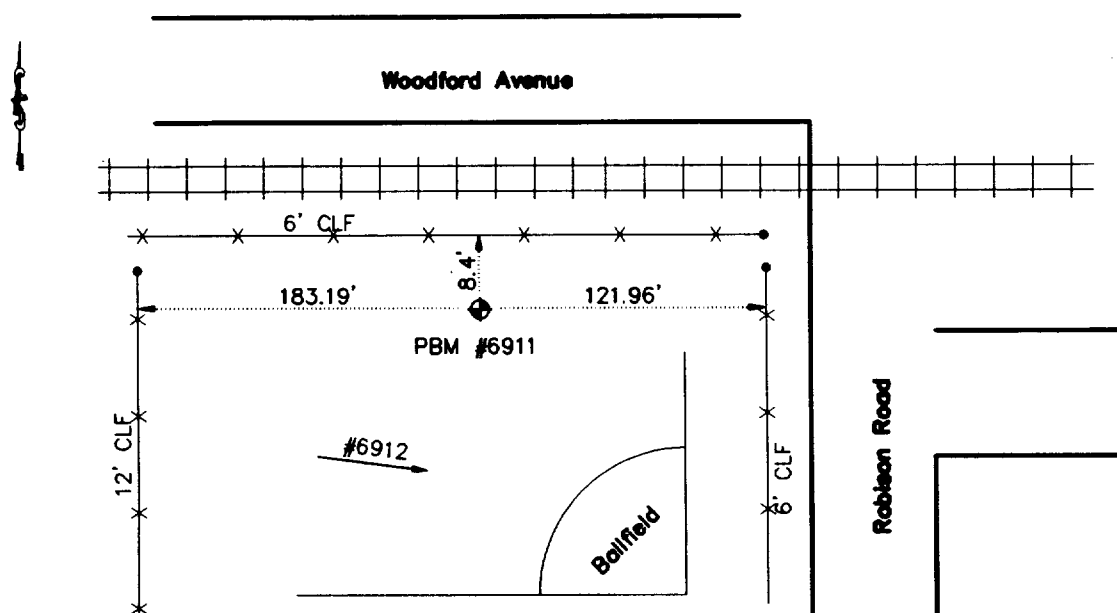
No. 6910

Neighborhood: Avondale

Pairs with B.M. 6909

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: LANG BALLFIELDS WEST



STATION IS LOCATED AT LANG BALLFIELDS ON WOODFORD ROAD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI GO 0.40 MI (0.64 KM) EAST ON FIFTH TO I-71 NORTH, GO NORTH 7.30 MI (11.75 KM) TO EXIT 8 AT RIDGE ROAD, GO NORTH 1.00 MI (1.61 KM) TO WOODFORD ROAD, GO EAST 0.60 MI (0.97 KM) TO RAILROAD TRACKS, CROSS RAILROAD TRACKS TO STATION IN BALLFIELD ON RIGHT, STATION IS APPROXIMATELY 150 FT (45.7 M) WEST OF WOODFORD ROAD. THE STATION IS SET FLUSH WITH GROUND AND IS 33.94 FT (10.34 M) SOUTH OF THE SOUTH GAUGE OF THE RAILROAD TRACKS, 183.19 FT (55.84 M) EAST OF THE END POST OF A 12' HIGH CHAIN LINK FENCE AND 121.96 FT (37.17 M) WEST OF THE END POST OF A 6' HIGH CHAIN LINK FENCE ALONG THE WEST SIDE OF WOODFORD ROAD.

Horizontal

Latitude (dms) N 39 10 45.22745
 Longitude (dms) W 84 25 03.80065
 State Plane Zone (3402) Ohio South
 Scale 0.99994228
 Convergence (dms) -1 13 00.60
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 434,316.550
 Northing (Y) in meters 132,669.377
 Easting (X) in US Survey ft. 1,424,920.214
 Northing (Y) in US Survey ft. 435,266.113

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 223.9695
 Elevation is US Survey ft. 734.807

Final Adjusted Elevation from NGS	June 1991
-----------------------------------	-----------

No. 6911

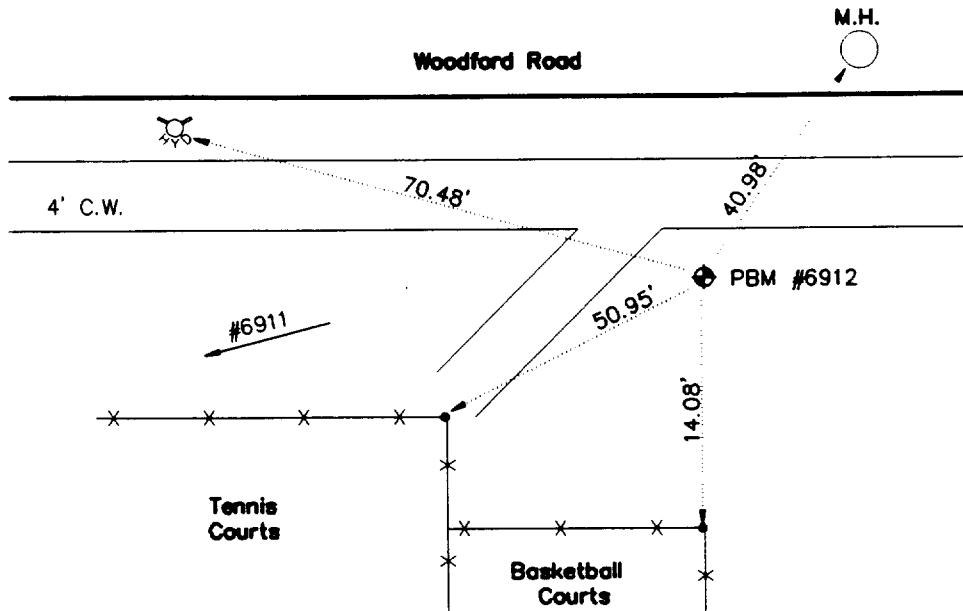
Neighborhood: Kennedy Heights

Grid Bearing
to B.M. 6912

N 81 11 21 E

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: LANG BALLFIELDS WEST



STATION IS LOCATED AT LANG BALLFIELDS ON WOODFORD ROAD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI GO 0.40 MI (0.64 KM) EAST ON FIFTH TO I-71 NORTH, GO NORTH 7.30 MI (11.75 KM) TO EXIT 8 AT RIDGE ROAD, GO NORTH 1.00 MI (1.61 KM) TO WOODFORD ROAD, GO EAST 0.60 MI (0.97 KM) TO RAILROAD TRACKS, CROSS RAILROAD TRACKS TO STATION IN BALLFIELD ON RIGHT. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 70.48 FT SOUTHEAST AN ARROW NUT ON A FIRE HYDRANT, 40.98 FT SOUTHWEST OF THE CENTER OF A MANHOLE, 50.95 FT NORTHEAST OF THE NORTHEAST CORNER END POST OF A 12 FT CHAIN LINK FENCE BORDERING THE TENNIS COURTS, AND 14.08 FT NORTHEAST OF THE NORTHEAST CORNER END POST OF A 12 FT CHAIN LINK FENCE BORDERING THE BASKETBALL COURT.

Azimuth Mark

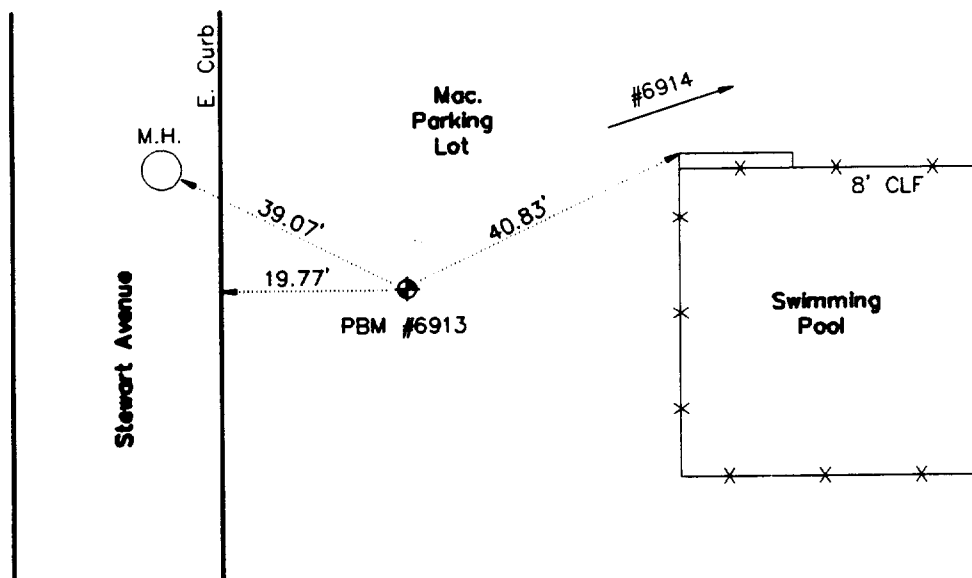
No. 6912

Neighborhood: Kennedy Heights

Pairs with B.M. 6911

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: MADISONVILLE PLAYGROUND SW



STATION IS LOCATED AT MADISONVILLE PLAYGROUND IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO EAST ON FIFTH STREET 0.40 MI (0.64 KM) TO I-71 NORTH, GO NORTH 5.50 MI (8.85 KM) TO EXIT 6, GO 0.20 MI (0.32 KM) SOUTHEAST TO EDWARDS ROAD, GO SOUTH 0.20 MI (0.32 KM) TO MADISON ROAD, GO NORTHEAST 2.70 MI (4.35 KM) TO STEWART AVENUE, GO 0.30 MI (0.48 KM) NORTH TO THE PLAYGROUND ON THE RIGHT. THE STATION IS FLUSH WITH THE GROUND AND IS SET 19.77 FT (6.03 M) EAST OF THE EAST CURB OF STEWART AVENUE, 39.07 FT (11.91 M) SOUTHEAST OF THE CENTER OF A MANHOLE AND 40.83 FT (12.45 M) SOUTHWEST OF THE NORTHWEST CORNER OF A BRICK WALL BORDERING THE SWIMMING POOL.

Horizontal

Latitude (dms) N 39 09 52.86898
 Longitude (dms) W 84 23 48.25306
 State Plane Zone (3402) Ohio South
 Scale 0.99994322
 Convergence (dms) -1 12 12.66
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 436,095.427
 Northing (Y) in meters 131,016.872
 Easting (X) in US Survey ft. 1,430,756.413
 Northing (Y) in US Survey ft. 429,844.519

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 181.2187
 Elevation is US Survey ft. 594.548

Final Adjusted Elevation from NGS	June 1991
-----------------------------------	-----------

No. 6913

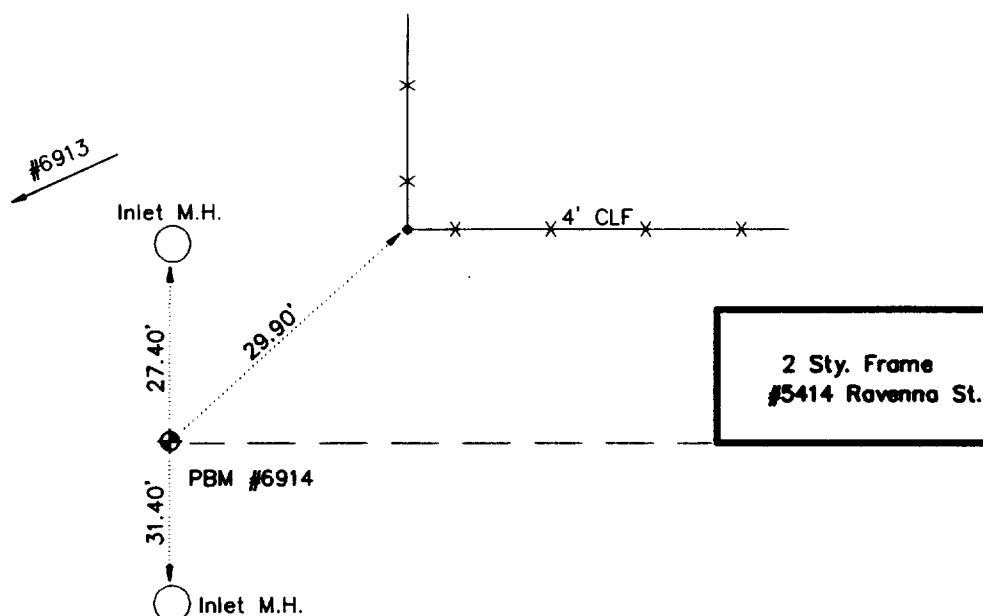
Neighborhood: Madisonville

**Grid Bearing
to B.M. 6914**

N 62 51 59 E

**City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET**

Approximate Location: MADISONVILLE PLAYGROUND SW



STATION IS LOCATED AT MADISONVILLE PLAYGROUND IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO EAST ON FIFTH STREET 0.40 MI (0.64 KM) TO I-71 NORTH, GO NORTH 5.50 MI (8.85 KM) TO EXIT 6, GO 0.20 MI (0.32 KM) SOUTHEAST TO EDWARDS ROAD, GO SOUTH 0.20 MI (0.32 KM) TO MADISON ROAD, GO NORTHEAST 2.70 MI (4.35 KM) TO STEWART AVENUE, GO 0.30 MI (0.48 KM) NORTH TO THE PLAYGROUND ON THE RIGHT. THE STATION IS FLUSH WITH THE GROUND AND IS LOCATED WEST OF THE PRODUCED SOUTH LINE OF HOUSE # 5414 RAVENNA STREET, 31.40 FT NORTH OF THE CENTER OF AN INLET MANHOLE 27.40 FT SOUTH OF THE CENTER OF AN INLET MANHOLE, AND 29.90 FT SOUTHWEST OF THE CORNER POST OF A 4 FT CHAIN LINK FENCE.

Azimuth Mark

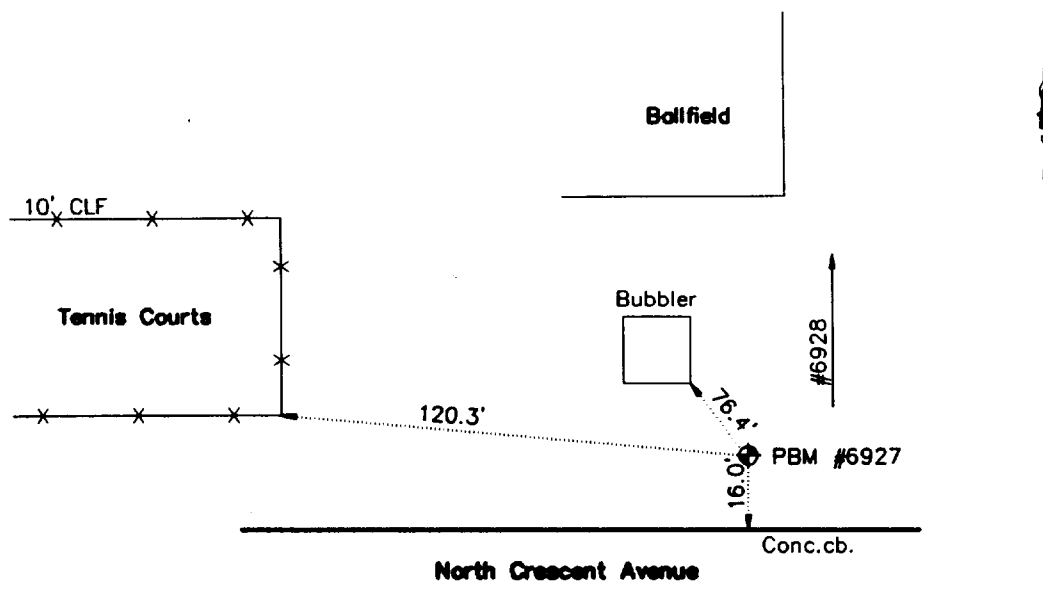
No. 6914

Neighborhood: Madisonville

Pairs with B.M. 6913

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: NORTH AVONDALE SCHOOL



NORTH AVONDALE SCHOOL IS LOCATED ON CLINTON SPRINGS, WEST OF READING ROAD, NORTH OF NORTH CRESCENT AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY STREET AND HEAD NORTH FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING ROAD AND GO NORTHEAST FOR 3.60 MI (5.79 KM) TO CLINTON SPRINGS AVENUE. TURN LEFT ON CLINTON SPRINGS AND GO WEST 0.10 MI (0.16 KM) NORTH AVONDALE SCHOOL WILL BE ON THE SOUTH SIDE OF CLINTON SPRINGS. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 120.3 FT EAST OF THE SOUTHEAST CORNER OF A 10 FT CHAIN LINK FENCE THAT ENCLOSURES TENNIS COURTS, 76.4 FT SOUTHEAST OF A BUBBLER AND 16.00 FT NORTH OF THE NORTH CONCRETE CURB EDGE OF NORTH CRESCENT AVENUE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	218.7574
Elevation in US Survey feet	717.706
Final Adjusted Elevation from NGS	June 1991

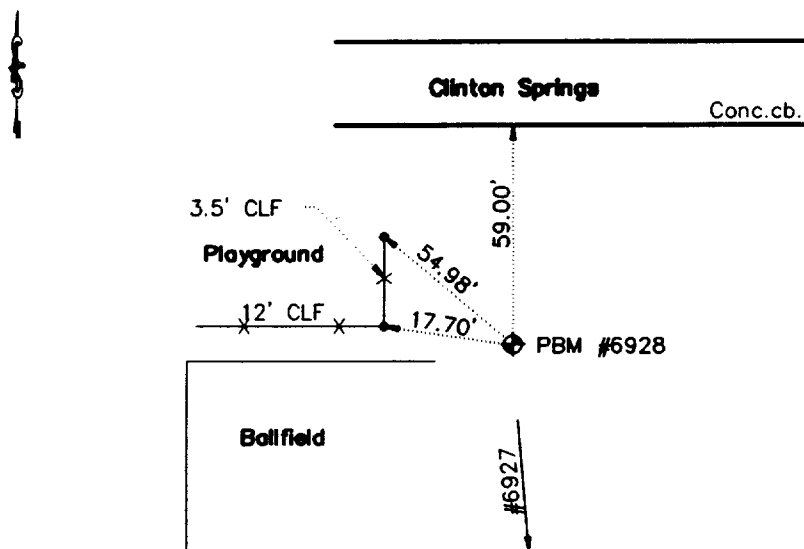
No. 6927

Neighborhood: North Avondale

Pairs with B.M. 6928

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: NORTH AVONDALE SCHOOL



NORTH AVONDALE SCHOOL IS LOCATED ON CLINTON SPRINGS, WEST OF READING ROAD, NORTH OF NORTH CRESCENT AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY STREET AND HEAD NORTH FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING ROAD AND GO NORTHEAST FOR 3.60 MI (5.79 KM) TO CLINTON SPRINGS AVENUE. TURN LEFT ON CLINTON SPRINGS AND GO WEST 0.10 MI (0.16 KM) NORTH AVONDALE SCHOOL WILL BE ON THE SOUTH SIDE OF CLINTON SPRINGS. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND LOCATED 59.00 FT (17.98 M) SOUTH OF THE SOUTH CURB LINE OF CLINTON SPRINGS AVENUE, 54.98 FT (16.76 M) SOUTHEAST OF A FENCEPOST AT THE NORTH END OF A 3.5 FT (1.1 M) CHAIN LINK FENCE, 17.70 FT (5.39 M) EAST OF A FENCEPOST AT THE EAST END OF A 12.00 FT CHAIN LINK FENCE.

Horizontal		Vertical	
Latitude (dms)	N 39 09 23.00824	Accuracy	2nd Order Class II
Longitude (dms)	W 84 29 26.34378	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	214.3113
Scale	0.99994378	Elevation is US Survey ft.	703.120
Convergence (dms)	-1 15 47.19	Final Adjusted Elevation from NGS	June
Accuracy	1st Order		1991
Datum	NAD 83		
Easting (X) in meters	427,960.924		
Northing (Y) in meters	130,270.975		
Easting (X) in US Survey ft.	1,404,068.463		
Northing (Y) in US Survey ft.	427,397.358		
Final Adjusted Coordinate from NGS	March 1992		

No. 6928

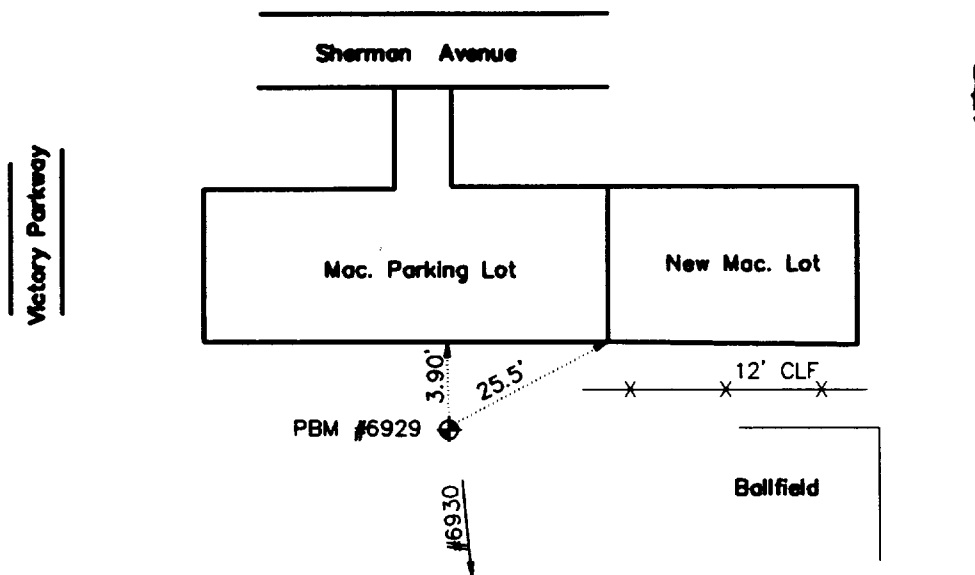
Neighborhood: North Avondale

**Grid Bearing
to B.M. 6927**

S 10 22 13 E

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: VICTORY BALLFIELDS



STATION IS LOCATED AT VICTORY BALLFIELDS ON SHERMAN AVENUE JUST EAST OF THE INTERSECTION OF READING ROAD AND VICTORY PARKWAY. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, THEN TURN LEFT ON BROADWAY AND GO NORTH 0.40 MI TO READING ROAD. TURN RIGHT ON READING FOR 4.40 MI (7.08 KM) TO SHERMAN AVENUE. TURN RIGHT ON SHERMAN AND HEAD EAST FOR 0.10 MI, VICTORY BALLFIELDS WILL BE ON THE SOUTH SIDE OF SHERMAN AVENUE, IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 3.90 FT (1.19 M) SOUTH OF THE SOUTH EDGE OF A BLACKTOP PARKING LOT, AND 25.50 FT (7.77 M) SOUTHWEST OF THE SOUTHEAST CORNER OF SAID PARKING LOT

Horizontal		Vertical	
Latitude (dms)	N 39 09 39.66590	Accuracy	2nd Order Class II
Longitude (dms)	W 84 28 20.81055	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	167.7221
Scale	0.99994347	Elevation is US Survey ft.	550.268
Convergence (dms)	-1 15 05.60	Final Adjusted Elevation from NGS	June 1991
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	429,545.117		
Northing (Y) in meters	130,749.997		
Easting (X) in US Survey ft.	1,409,265.939		
Northing (Y) in US Survey ft.	428,968.948		
Final Adjusted Coordinate from NGS	March 1992		

No. 6929

Neighborhood: Paddock Hills

Grid Bearing
to B.M. 6930

S 16 12 21 E

No. 6929

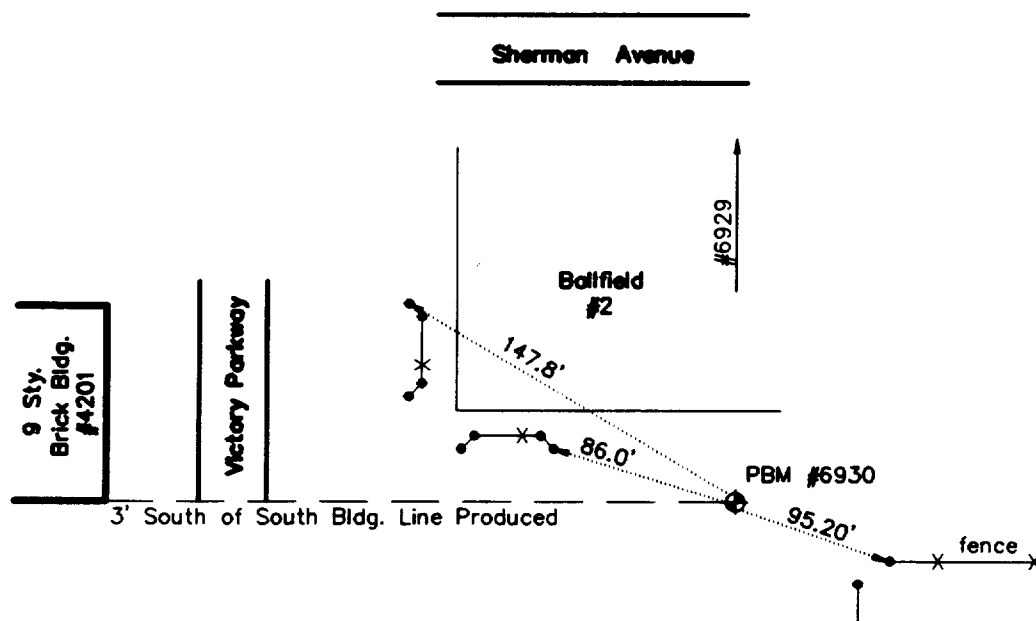
Neighborhood: Paddock Hills

**Grid Bearing
to B.M. 6930**

S 16 12 21 E

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: VICTORY BALLFIELDS



STATION IS LOCATED AT VICTORY BALLFIELDS ON SHERMAN AVENUE JUST EAST OF THE INTERSECTION OF READING ROAD AND VICTORY PARKWAY. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, THEN TURN LEFT ON BROADWAY AND GO NORTH 0.40 MI TO READING ROAD. TURN RIGHT ON READING FOR 4.40 MI (7.08 KM) TO SHERMAN AVENUE. TURN RIGHT ON SHERMAN AND HEAD EAST FOR 0.10 MI, VICTORY BALLFIELDS WILL BE ON THE SOUTH SIDE OF SHERMAN AVENUE. IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 147.8 FT SOUTHEAST OF THE END POST OF A CHAIN LINK BACKSTOP, 95.2 FT NORTHWEST OF A CHAIN LINK FENCE, 86.0 FT SOUTHEAST OF THE EAST END OF A CHAIN LINK BACKSTOP AND 3 FT SOUTH OF THE PRODUCED SOUTH BUILDING EDGE OF A 9 STORY BRICK BUILDING, #4201 VICTORY PARKWAY.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	168.172
Elevation in US Survey feet	551.74

Final Adjusted Elevation from NGS	August 1992
--------------------------------------	----------------

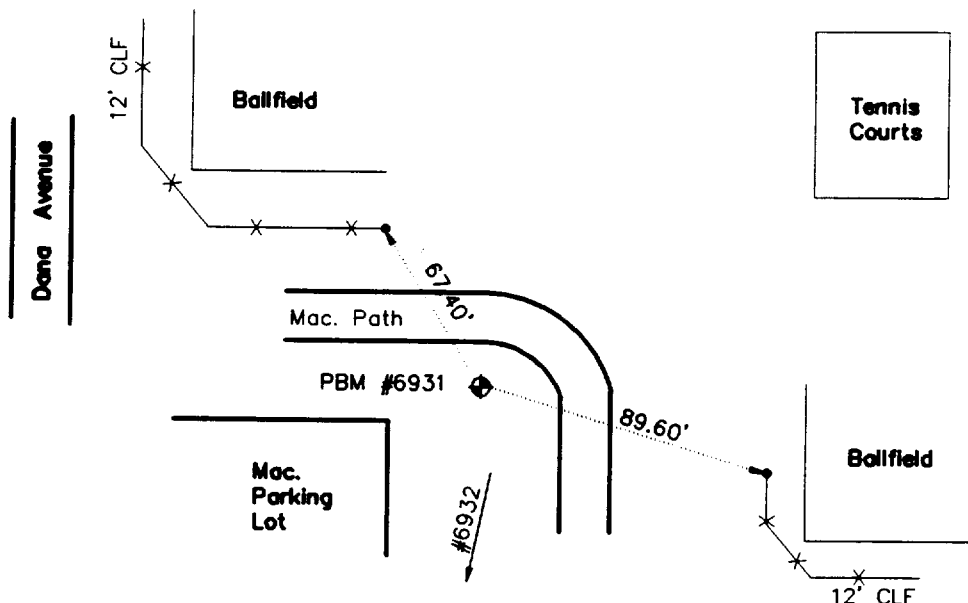
No. 6930

Neighborhood: Paddock Hills

Pairs with B.M. 6929

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: WITHROW HIGH SCHOOL BALLFIELDS



STATION IS LOCATED AT WITHROW HIGH SCHOOL BALLFIELDS ON DANA AVENUE, NORTH OF MADISON ROAD. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING FOR 1.40 MI, TURN RIGHT ON MCMILLAN STREET AND GO EAST FOR 0.90 MI (1.45 KM) TO VICTORY PARKWAY. GO NORTH ON VICTORY PARKWAY FOR 0.50 MI (0.80 KM) AND TURN RIGHT ON TO MADISON AVENUE. TAKE MADISON AVENUE EAST FOR 1.80 MI (2.90 KM) TO DANA AVENUE. TURN LEFT ON DANA FOR 0.20 MI, WITHROW BALLFIELDS WILL BE LOCATED ON THE NORTHEAST SIDE OF DANA AVENUE. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED SOUTHEAST 67.40 FT (20.54 M) FORM A STEEL POST AT THE EAST END OF A 12.00 FT (3.66 M) CHAIN LINK BACKSTOP FENCE FOR THE BALLFIELD WEST OF THE WEST SIDE OF THE TENNIS COURTS, THE MARK IS 89.60 FT (27.31 M) NORTHWEST OF A STEEL FENCE POST AND THE NORTH END OF A 12.00 FT (3.66 M) CHAIN LINK BACKSTOP FENCE FOR THE BALLFIELD SOUTH OF THE SOUTHWEST CORNER OF THE TENNIS COURTS.

Horizontal

Latitude (dms) N 39 08 36.57160
 Longitude (dms) W 84 27 10.53364
 State Plane Zone (3402) Ohio South
 Scale 0.99994470
 Convergence (dms) -1 14 21.01
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 431,189.774
 Northing (Y) in meters 128,768.163
 Easting (X) in US Survey ft. 1,414,661.782
 Northing (Y) in US Survey ft. 422,466.881

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 209.9554
 Elevation is US Survey ft. 688.829

Final Adjusted Elevation from NGS	June 1991
-----------------------------------	-----------

No. 6931

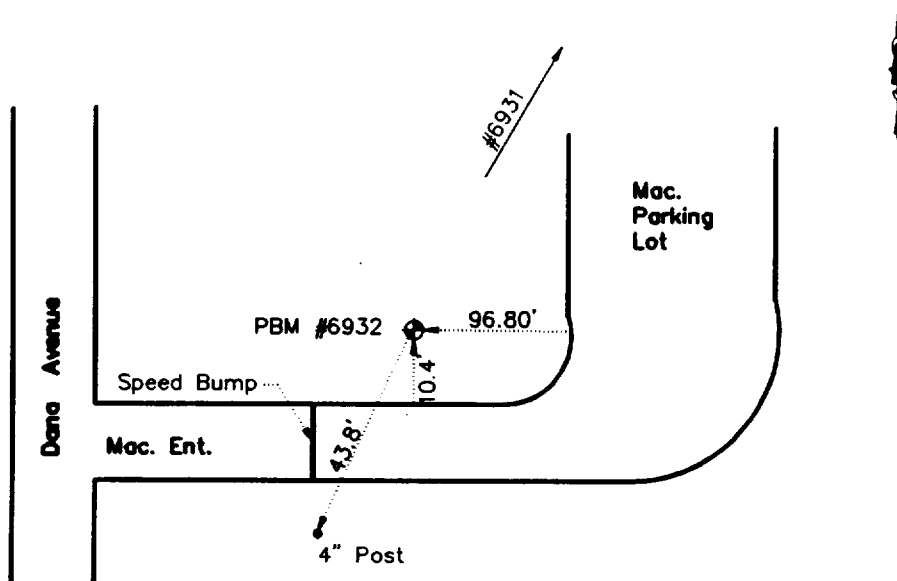
Neighborhood: Hyde Park

Grid Bearing
 to B.M. 6932

S 28 48 33 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: WITHROW HIGH SCHOOL BALLFIELDS



STATION IS LOCATED AT WITHROW HIGH SCHOOL BALLFIELDS ON DANA AVENUE, NORTH OF MADISON ROAD. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING FOR 1.40 MI, TURN RIGHT ON MCMILLAN STREET AND GO EAST FOR 0.90 MI (1.45 KM) TO VICTORY PARKWAY. GO NORTH ON VICTORY PARKWAY FOR 0.50 MI (0.80 KM) AND TURN RIGHT ON TO MADISON AVENUE. TAKE MADISON AVENUE EAST FOR 1.80 MI (2.90 KM) TO DANA AVENUE. TURN LEFT ON DANA FOR 0.20 MI, WITHROW BALLFIELDS WILL BE LOCATED ON THE NORTHEAST SIDE OF DANA AVENUE. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 96.80 FT WEST OF THE WEST CURB EDGE OF A MACADAM PARKING LOT, 43.8 FT NORTHEAST OF A 4 FT POST THAT IS LOCATED ON THE SOUTH SIDE OF THE MACADAM ENTRANCE TO SAID PARKING LOT AND 10.4 FT NORTH OF THE NORTH EDGE OF SAID MACADAM ENTRANCE.

Azimuth Mark

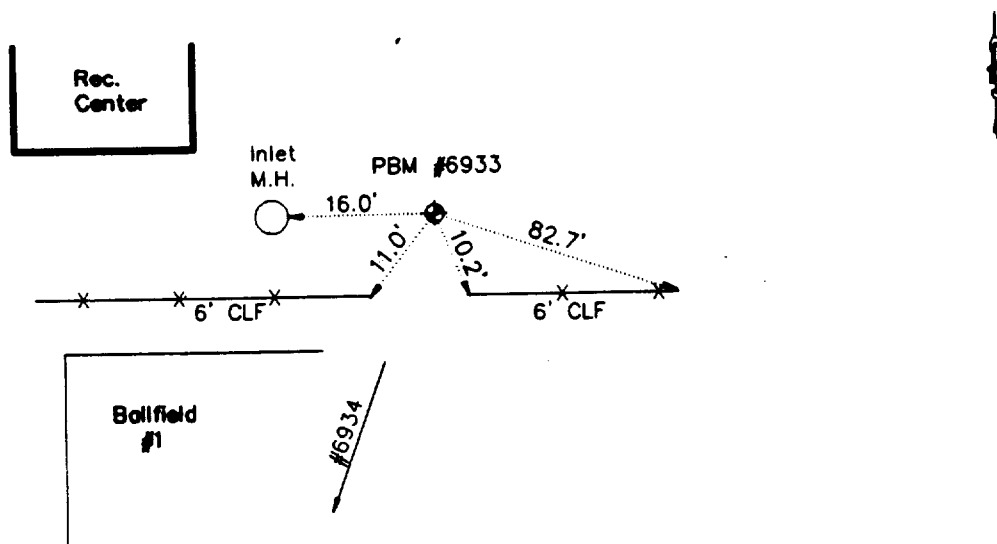
No. 6932

Neighborhood: Hyde Park

Pairs with B.M. 6931

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: OAKLEY PLAYGROUND



STATION IS LOCATED AT OAKLEY PLAYGROUND ON PAXTON AVENUE, WEST OF MARBURG AVENUE, OPPOSITE OF TAYLOR AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI. TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING AND HEAD NORTHEAST FOR 1.40 MI (2.25 KM) TO MCMILLAN STREET. TURN RIGHT ON MCMILLAN AND GO EAST FOR 0.90 MI (1.45 KM) TO VICTORY PARKWAY. TURN LEFT ONTO VICTORY PARKWAY NORTH FOR 0.50 MI (0.80 KM) TO MADISON. TURN RIGHT ONTO MADISON AVENUE FOR 3.20 MI (5.15 KM) TO TAYLOR AVENUE. TURN RIGHT ONTO TAYLOR FOR 0.30 MI. TAYLOR WILL DEAD END INTO THE PARK. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 16.00 FT (4.88 M) EAST OF AN INLET MANHOLE OFF THE SOUTHEAST CORNER OF THE RECREATION CENTER, 11.00 FT (3.35 M) NORTHEAST OF THE END POST TO A 6.00 FT (1.83 M) CHAIN LINK FENCE BACKSTOP FOR BALLFIELD NO. 1, 10.2 FT NORTHWEST OF THE WEST END POST OF A 6.00 FT (1.83 M) CHAIN LINK FENCE AND 82.7 FT (25.21 M) NORTHWEST OF THE EAST END POST OF SAID CHAIN LINK FENCE ON THE NORTH SIDE OF BALLFIELD NO. 1.

Horizontal

Latitude (dms) N 39 08 55.65384
 Longitude (dms) W 84 25 33.71485
 State Plane Zone (3402) Ohio South
 Scale 0.99994432
 Convergence (dms) -1 13 19.58
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 433,526.686
 Northing (Y) in meters 129,306.530
 Easting (X) in US Survey ft. 1,422,328.802
 Northing (Y) in US Survey ft. 424,233.175

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters
 Elevation in US Survey ft.

Final Adjusted Elevation from NGS	
-----------------------------------	--

No. 6933

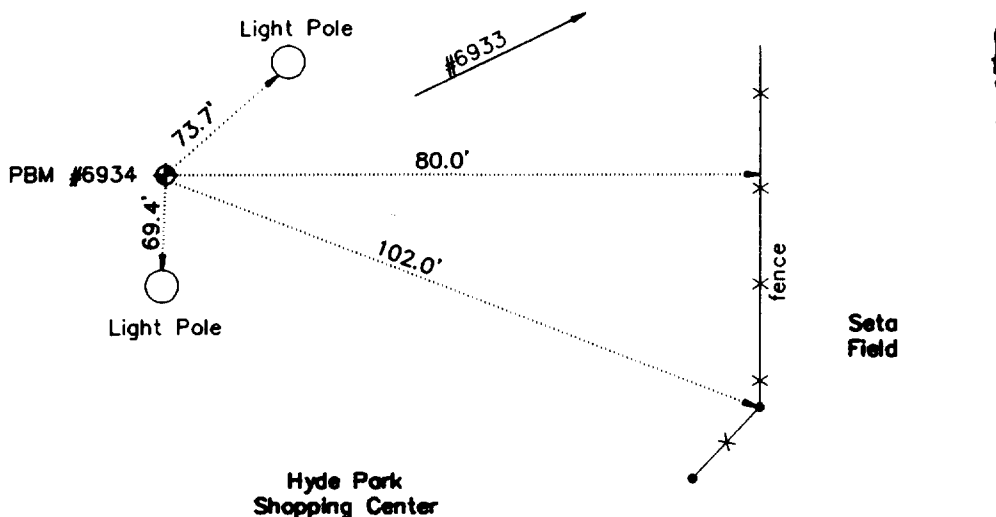
Neighborhood: Oakley

**Grid Bearing
to B.M. 6934**

S 31 13 08 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: OAKLEY PLAYGROUND



STATION IS LOCATED AT OAKLEY PLAYGROUND ON PAXTON AVENUE, WEST OF MARBURG AVENUE, OPPOSITE OF TAYLOR AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING AND HEAD NORTHEAST FOR 1.40 MI (2.25 KM) TO MCMILLAN STREET. TURN RIGHT ON MCMILLAN AND GO EAST FOR 0.90 MI (1.45 KM) TO VICTORY PARKWAY. TURN LEFT ONTO VICTORY PARKWAY NORTH FOR 0.50 MI (0.80 KM) TO MADISON. TURN RIGHT ONTO MADISON AVENUE FOR 3.20 MI (5.15 KM) TO TAYLOR AVENUE. TURN RIGHT ONTO TAYLOR FOR 0.30 MI. TAYLOR WILL DEAD END INTO THE PARK. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 102.0 FT NORTHWEST OF THE END POST OF A CHAIN LINK FENCE, 80.0 FT WEST OF SAID CHAIN LINK FENCE, 73.7 FT SOUTHWEST OF A LIGHT POLE AND 69.4 FT NORTH OF A LIGHT POLE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	184.6117
Elevation in US Survey feet	605.680

Final Adjusted Elevation from NGS	June 1991
--------------------------------------	--------------

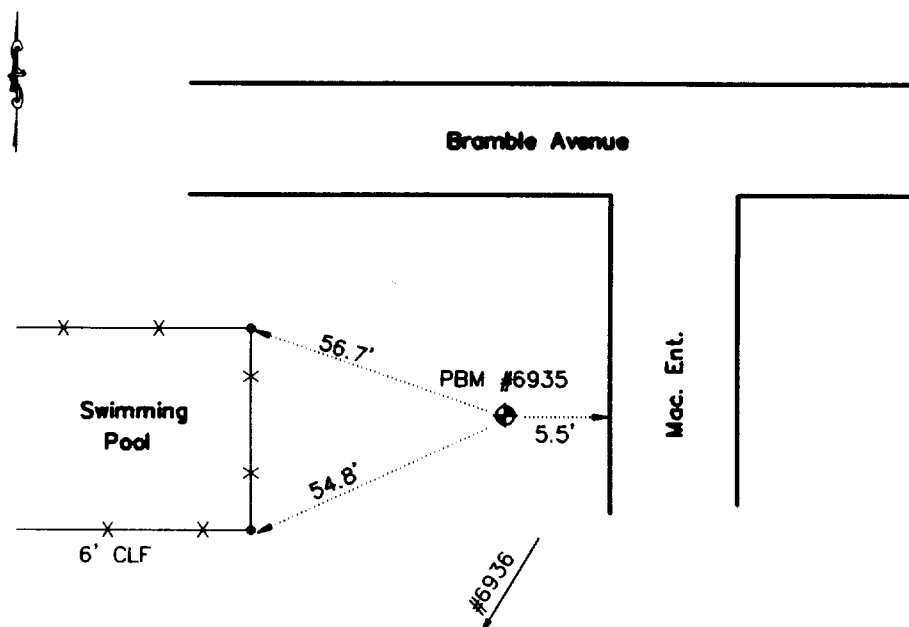
No. 6934

Neighborhood: Oakley

Pairs with B.M. 6933

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: BRAMBLE PARK



STATION IS LOCATED AT BRAMBLE PARK ON BRAMBLE AVENUE, FOUR BLOCKS WEST OF PLAINSVILLE ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY STREET FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING ROAD AND GO NORTHEAST FOR 1.40 MI (2.25 KM) TO MCMILLAN. TURN RIGHT ON MCMILLAN FOR 0.90 MI (1.45 KM) TO VICTORY PARKWAY. TURN LEFT ON VICTORY PARKWAY FOR 0.50 MI (0.80 KM) TO MADISON ROAD. TURN RIGHT ONTO MADISON ROAD FOR 1.80 MI (2.90 KM) TO ERIE AVENUE. TURN RIGHT ON ERIE AVENUE ACROSS RED BANK ROAD 3.30 MI (5.31 KM) TO BRAMBLE AVENUE. TURN RIGHT ON BRAMBLE FOR 0.70 MI, BRAMBLE PARK IS ON THE SOUTH SIDE OF THE ROAD. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 56.70 FT (17.28 M) SOUTHEAST OF A FENCEPOST AT THE NORTHEAST CORNER OF A 6.00 FT (1.83 M) CHAIN LINK FENCE AROUND THE SWIMMING POOL, 54.80 FT (16.70 M) NORTHEAST OF A FENCEPOST AT THE SOUTHEAST CORNER OF SAID SWIMMING POOL FENCE.

Horizontal

Latitude (dms) N 39 09 03.84492
 Longitude (dms) W 84 23 12.65674
 State Plane Zone (3402) Ohio South
 Scale 0.99994415
 Convergence (dms) -1 11 50.07
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 436,918.165
 Northing (Y) in meters 129,487.558
 Easting (X) in US Survey ft. 1,433,455.681
 Northing (Y) in US Survey ft. 424,827.098

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 168.0945
 Elevation is US Survey ft. 551.490

Final Adjusted Elevation from NGS	June 1991
-----------------------------------	-----------

No. 6935

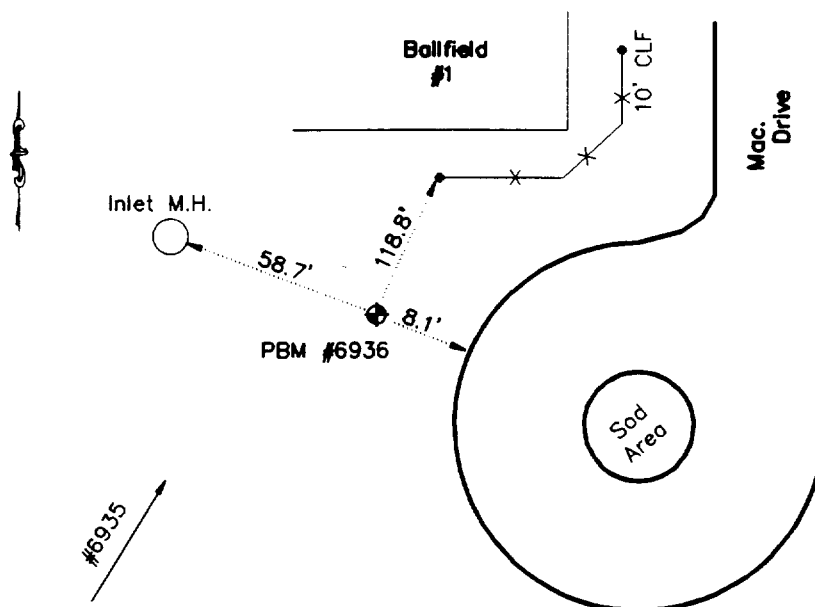
Neighborhood: Madisonville

Grid Bearing
to B.M. 6936

S 56 43 30 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: BRAMBLE PARK



STATION IS LOCATED AT BRAMBLE PARK ON BRAMBLE AVENUE, FOUR BLOCKS WEST OF PLAINSVILLE ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY STREET FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING ROAD AND GO NORTHEAST FOR 1.40 MI (2.25 KM) TO MCMILLAN. TURN RIGHT ON MCMILLAN FOR 0.90 MI (1.45 KM) TO VICTORY PARKWAY. TURN LEFT ON VICTORY PARKWAY FOR 0.50 MI (0.80 KM) TO MADISON ROAD. TURN RIGHT ONTO MADISON ROAD FOR 1.80 MI (2.90 KM) TO ERIE AVENUE. TURN RIGHT ON ERIE AVENUE ACROSS RED BANK ROAD 3.30 MI (5.31 KM) TO BRAMBLE AVENUE. TURN RIGHT ON BRAMBLE FOR 0.70 MI, BRAMBLE PARK IS ON THE SOUTH SIDE OF THE ROAD. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 118.8 FT SOUTHWEST OF THE END POST OF A 10 FT CHAIN LINK FENCE, 58.7 FT SOUTHEAST OF AN INLET MANHOLE, AND 8.1 FT NORTHWEST OF THE EDGE OF A MACADAM CUL-DE-SAC.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	164.5479
Elevation in US Survey feet	539.854

Final Adjusted Elevation from NGS	June 1991
--------------------------------------	--------------

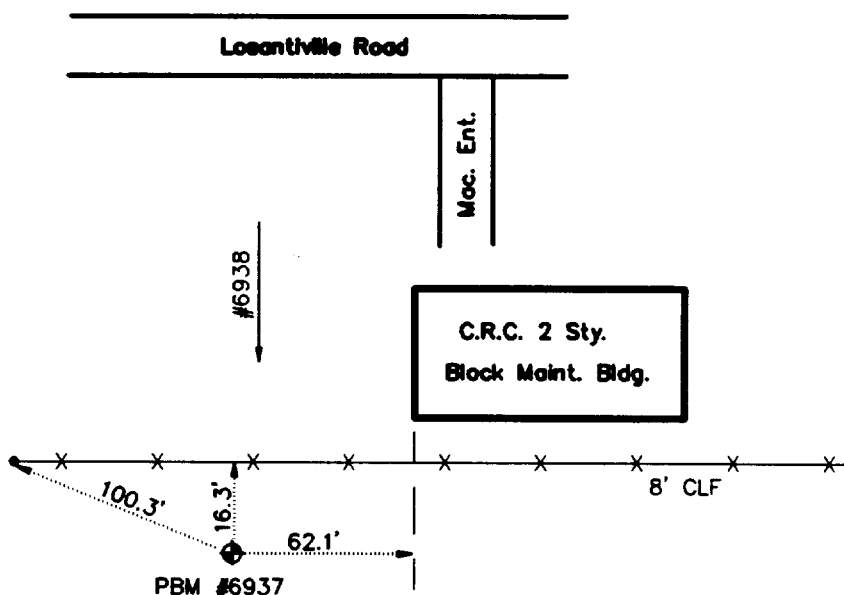
No. 6936

Neighborhood: Madisonville

Pairs with B.M. 6935

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: ROSELAWN PARK



STATION IS LOCATED AT ROSELAWN PARK ON SEYMOUR AVENUE, EAST OF READING ROAD, AND WEST OF LANGDON FARM ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY AND HEAD NORTH FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING AND GO NORTHEAST 6.40 MI (10.30 KM) TO SEYMOUR AVENUE. TURN RIGHT ON SEYMOUR AVENUE AND GO EAST 0.50 MI, THE PARK IS LOCATED ON THE NORTH SIDE OF THE ROAD. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 16.30 FT (4.97 M) SOUTH OF AN 8.0 FT (2.4 M) CHAIN LINK FENCE, SAID FENCE BEING SOUTH OF A TWO STORY BLOCK MAINTENANCE BUILDING, 100.30 FT (30.57 M) SOUTHEAST OF A FENCEPOST AT THE WEST END OF SAID FENCE, AND 62.10 FT (18.93 M) WEST OF THE WEST WALL OF SAID MAINTENANCE BUILDING EXTENDED SOUTHWARDLY.

Horizontal

Latitude (dms) N 39 11 17.56064
 Longitude (dms) W 84 27 17.32724
 State Plane Zone (3402) Ohio South
 Scale 0.99994174
 Convergence (dms) -1 14 25.32
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 431,134.141
 Northing (Y) in meters 133,734.910
 Easting (X) in US Survey ft. 1,414,479.260
 Northing (Y) in US Survey ft. 438,761.949

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 182.6763
 Elevation in US Survey ft. 599.331

Final Adjusted Elevation from NGS	June 1991
-----------------------------------	-----------

No. 6937

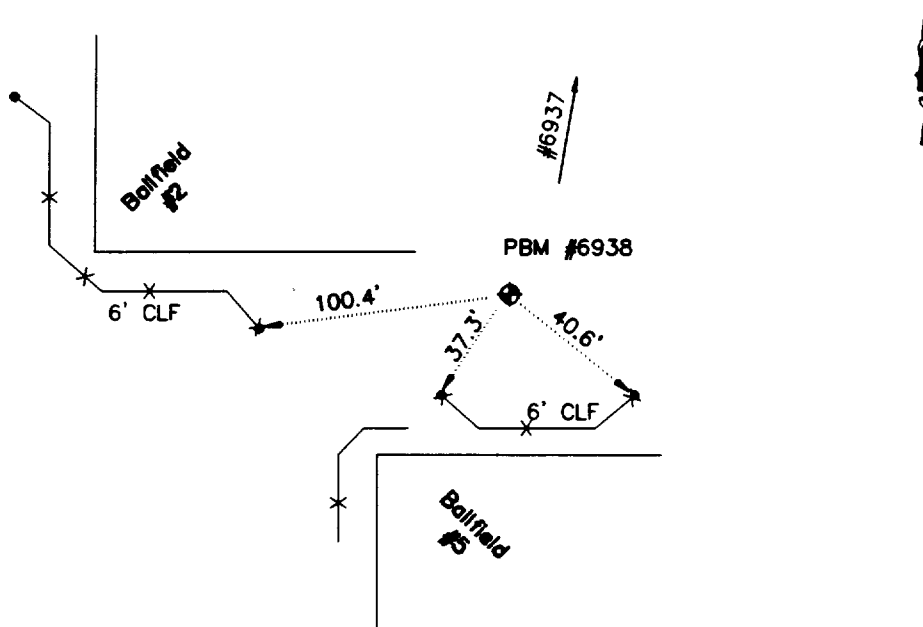
Neighborhood: Roselawn

Grid Bearing
to B.M. 6938

S 09 10 01 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: ROSELAWN PARK



STATION IS LOCATED AT ROSELAWN PARK ON SEYMOUR AVENUE, EAST OF READING ROAD, AND WEST OF LANGDON FARM ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY AND HEAD NORTH FOR 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING AND GO NORTHEAST 6.40 MI (10.30 KM) TO SEYMOUR AVENUE. TURN RIGHT ON SEYMOUR AVENUE AND GO EAST 0.50 MI, THE PARK IS LOCATED ON THE NORTH SIDE OF THE ROAD. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 100.4 FT SOUTHEAST OF THE END POST OF A 6 FT CHAIN LINK FENCE, 40.6 FT NORTHWEST OF THE EAST END OF A 6 FT CHAIN LINK FENCE AND 37.3 FT NORTHEAST OF THE WEST END OF SAID 6 FT CHAIN LINK FENCE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	182.547
Elevation in US Survey feet	598.91

Final Adjusted Elevation from NGS	August 1992
--------------------------------------	----------------

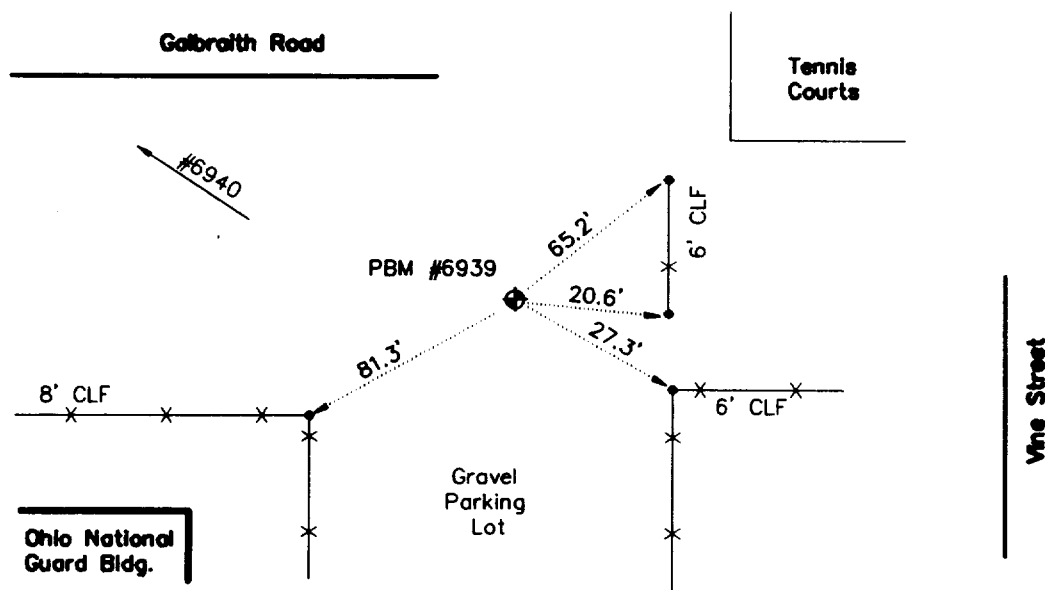
No. 6938

Neighborhood: Roselawn

Pairs with B.M. 6937

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: HARTWELL RECREATION CENTER



STATION IS LOCATED AT THE HARTWELL RECREATION CENTER AT THE SOUTHWEST CORNER OF GALBRAITH ROAD AND PADDOCK ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING AND GO NORTHEAST FOR 3.80 MI (6.12 KM) TO PADDOCK ROAD. TURN LEFT ON PADDOCK FOR 3.90 MI (6.28 KM) TO GALBRAITH ROAD. TURN LEFT ONTO GALBRAITH, THE PARK IS LOCATED ON THE SOUTH SIDE OF THE ROAD. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 81.30 FT (24.78 M) NORTHEAST OF THE NORTHEAST CORNER OF AN 8.00 FT (2.44 M) CHAIN LINK FENCE FOR THE OHIO NATIONAL GUARD BUILDING, 27.30 FT (8.32 M) NORTHWEST OF THE NORTHWEST CORNER OF A 6.00 FT (1.83 M) CHAIN LINK FENCE, 65.20 FT (19.87 M) SOUTHWEST OF THE NORTH END OF A 6.00 FT (1.83 M) CHAIN LINK FENCE.

Horizontal

Latitude (dms) N 39 12 41.80327
 Longitude (dms) W 84 28 33.63584
 State Plane Zone (3402) Ohio South
 Scale 0.99994043
 Convergence (dms) -1 15 13.74
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 429,360.194
 Northing (Y) in meters 136,371.922
 Easting (X) in US Survey ft. 1,408,659.235
 Northing (Y) in US Survey ft. 447,413.548

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 166.4453
 Elevation is US Survey ft. 546.079

Final Adjusted Elevation from NGS	June 1991
-----------------------------------	-----------

No. 6939

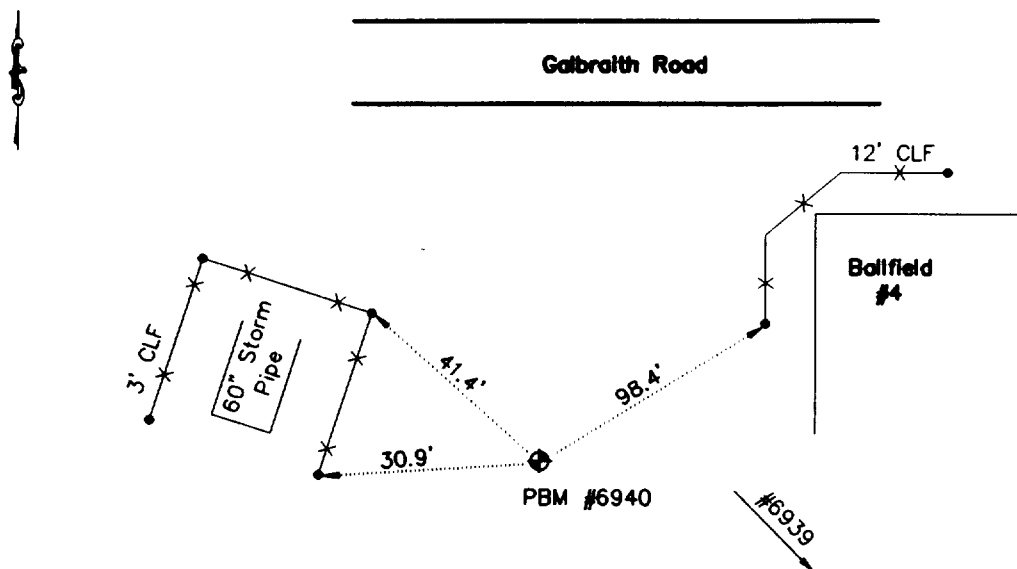
Neighborhood: Hartwell

Grid Bearing
to B.M. 6940

N 24 22 24 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: HARTWELL RECREATION CENTER



STATION IS LOCATED AT THE HARTWELL RECREATION CENTER AT THE SOUTHWEST CORNER OF GALBRAITH ROAD AND PADDOCK ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY 0.40 MI (0.64 KM) TO READING ROAD. TURN RIGHT ON READING AND GO NORTHEAST FOR 3.80 MI (6.12 KM) TO PADDOCK ROAD. TURN LEFT ON PADDOCK FOR 3.90 MI (6.28 KM) TO GALBRAITH ROAD. TURN LEFT ONTO GALBRAITH, THE PARK IS LOCATED ON THE SOUTH SIDE OF THE ROAD. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 98.4 FT SOUTHWEST OF THE END POST OF A 12 FT CHAIN LINK FENCE, 41.4 FT SOUTHEAST OF THE EASTERN MOST CORNER OF A 3 FT CHAIN LINK FENCE THAT ENCLOSES A 60 INCH STORM PIPE, AND 30.9 FT EAST OF THE SOUTHERNMOST CORNER OF SAID 3 FT CHAIN LINK FENCE.

Azimuth Mark

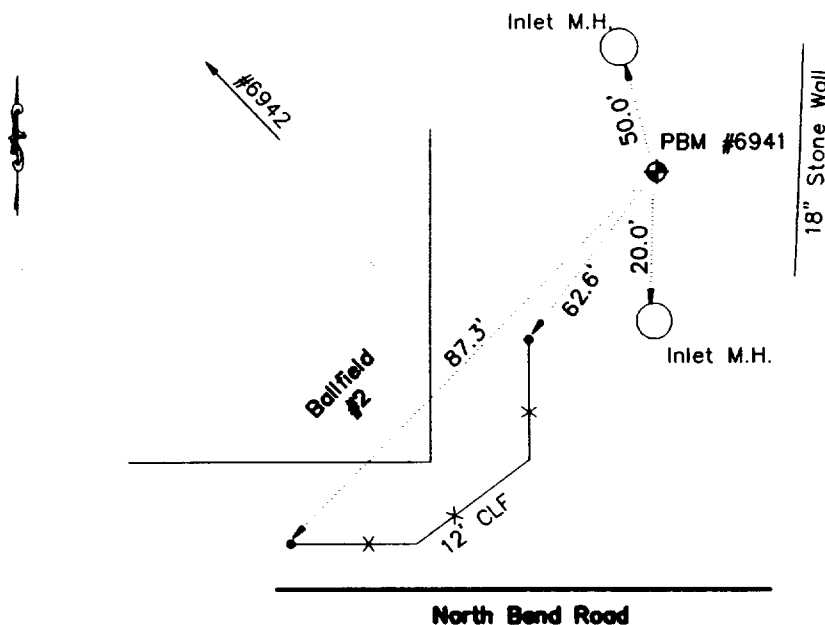
No. 6940

Neighborhood: Hartwell

Pairs with B.M. 6939

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: CALDWELL PARK



STATION IS LOCATED AT CALDWELL PARK ON NORTH BEND ROAD JUST WEST OF DILLWARD STREET, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY AND GO NORTH 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTHEAST 3.80 MI (6.12 KM) TO PADDOCK ROAD, TURN LEFT ONTO PADDOCK FOR 2.80 MI (4.51 KM) TO NORTH BEND ROAD, TURN LEFT ONTO NORTH BEND FOR 0.60 MI, THE PARK WILL BE ON THE NORTH SIDE OF NORTH BEND ROAD. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 50.00 FT (15.24 M) SOUTHEAST OF A STORM MANHOLE INLET, 20.00 FT (6.10 M) NORTHEAST OF A MANHOLE INLET, AND 62.60 FT (19.08 M) NORTHEAST OF THE NORTH END OF A 12.0 FT CHAIN LINK BACKSTOP FENCE FOR BALLFIELD NO. 2.

Horizontal

Latitude (dms) N 39 11 56.53130
 Longitude (dms) W 84 29 10.66516
 State Plane Zone (3402) Ohio South
 Scale 0.99994111
 Convergence (dms) -1 15 37.24
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 428,441.382
 Northing (Y) in meters 134,995.701
 Easting (X) in US Survey ft. 1,405,644.766
 Northing (Y) in US Survey ft. 442,898.397

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 157.5707
 Elevation is US Survey ft. 516.963

Final Adjusted Elevation from NGS	June 1991
-----------------------------------	-----------

No. 6941

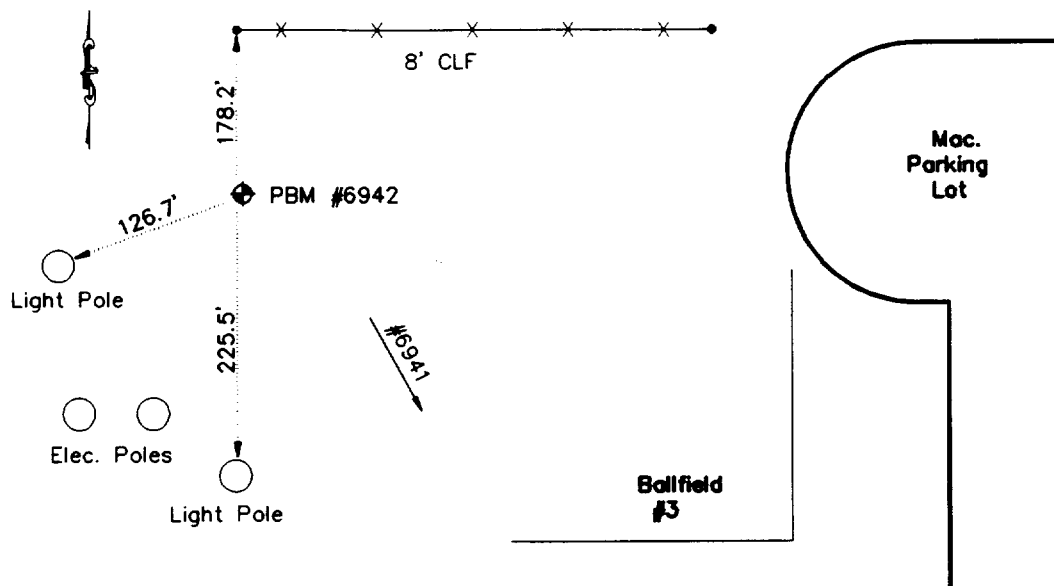
Neighborhood: College Hill

Grid Bearing to B.M. 6942

N 28 53 49 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: CALDWELL PARK



STATION IS LOCATED AT CALDWELL PARK ON NORTH BEND ROAD JUST WEST OF DILLWARD STREET, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET 0.20 MI, TURN LEFT ON BROADWAY AND GO NORTH 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTHEAST 3.80 MI (6.12 KM) TO PADDOCK ROAD, TURN LEFT ONTO PADDOCK FOR 2.80 MI (4.51 KM) TO NORTH BEND ROAD, TURN LEFT ONTO NORTH BEND FOR 0.60 MI, THE PARK WILL BE ON THE NORTH SIDE OF NORTH BEND ROAD. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 225.5 FT NORTH OF A LIGHT POLE, 178.2 FT SOUTH OF THE END POST OF AN 8 FT CHAIN LINK FENCE AND 126.7 FT NORTHEAST OF A LIGHT POLE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	157.678
Elevation in US Survey feet	517.31

Final Adjusted Elevation from NGS	August 1992
--------------------------------------	----------------

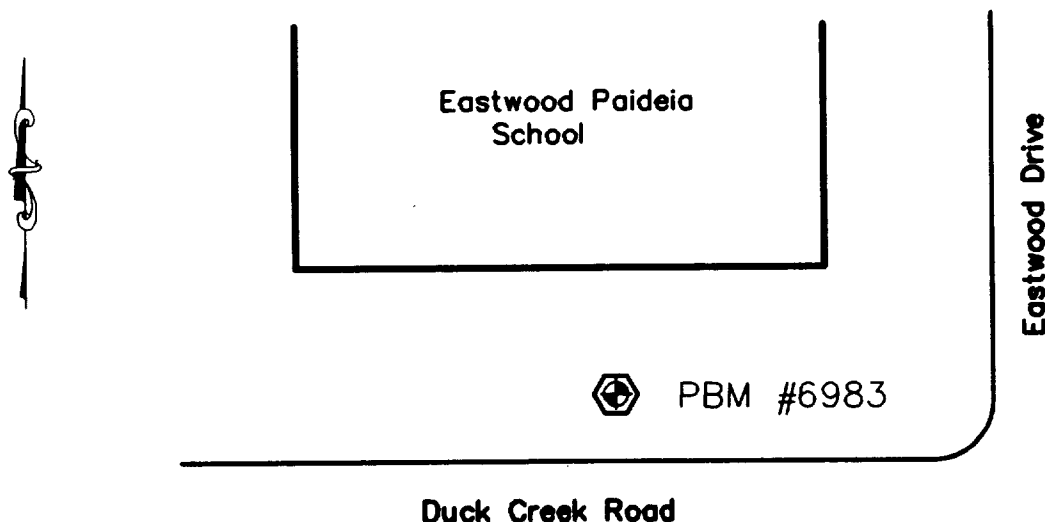
No. 6942

Neighborhood: College Hill

Pairs with B.M. 6941

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: EASTWOOD PAIDEIA SCHOOL



THE STATION IS LOCATED AT PIONEER VOCATIONAL SCHOOL ON THE NORTHWEST CORNER OF DUCK CREEK ROAD AND EASTWOOD DRIVE IN CINCINNATI, OHIO. THE STATION IS SET IN THE BASE OF A FLAGPOLE DIRECTLY IN FRONT OF THE SCHOOL BUILDING AND IS 19.9 FT NORTH OF THE NORTH CURB OF DUCK CREEK ROAD.

Intermediate Mark

Vertical

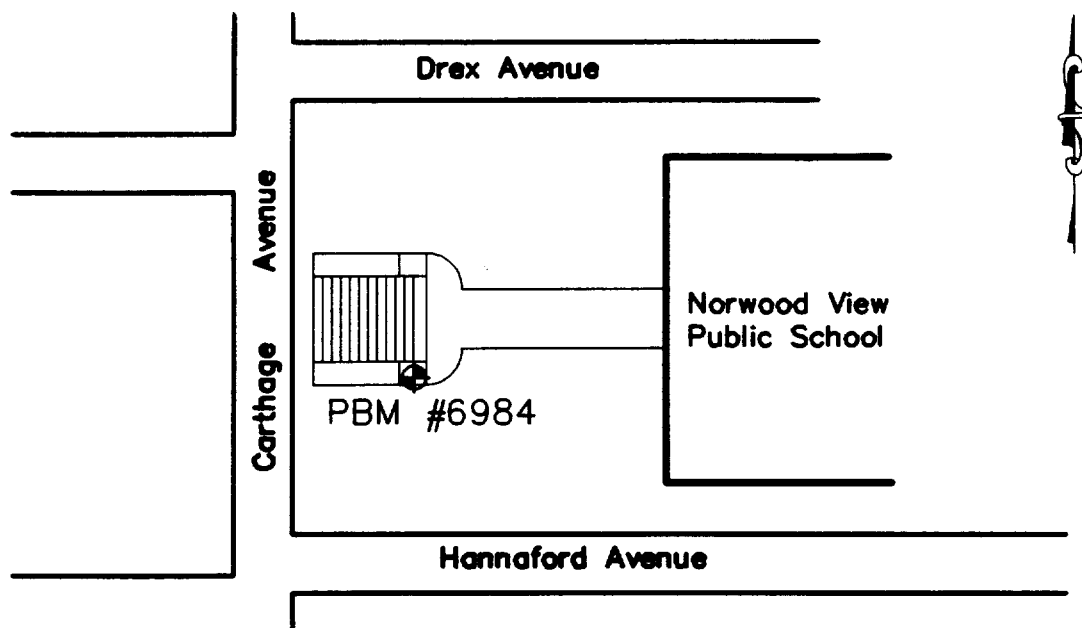
Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	183.5691
Elevation in US Survey feet	602.260
Final Adjusted Elevation from NGS	June 1991

No. 6983

Neighborhood: Pleasant Ridge

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: NORWOOD VIEW PUBLIC SCHOOL



THE STATION IS LOCATED AT THE NORWOOD VIEW PUBLIC SCHOOL, ON CARTHAGE AVENUE BETWEEN DREX AND HANNAFORD AVENUES IN NORWOOD, OHIO. THE STATION IS IN THE SOUTH CONCRETE WALL TO THE FRONT STEPS OF THE ENTRANCE TO THE SCHOOL.

Intermediate Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	202.9362
Elevation in US Survey feet	665.800

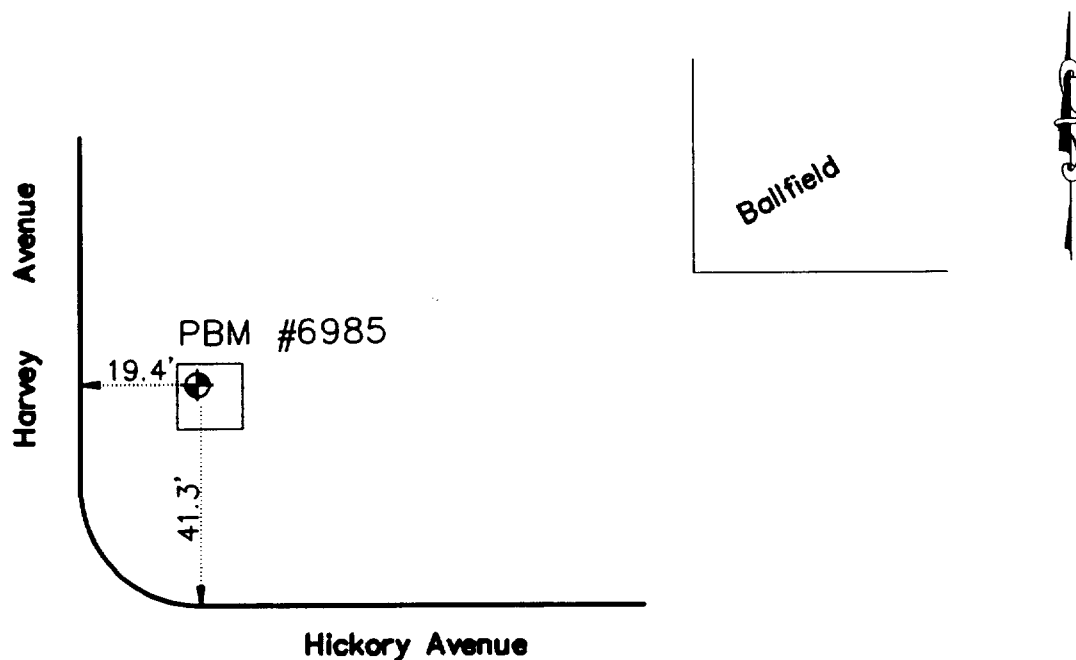
Final Adjusted Elevation from NGS	June 1991
--------------------------------------	--------------

No. 6984

Neighborhood: Norwood

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: AVONDALE



THE STATION IS LOCATED IN THE NORTHEAST CORNER OF HARVEY AND HICKORY AVENUES IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE EXISTING CONCRETE SURFACE OF A BASE FOR A WATER FOUNTAIN AND IS LOCATED 41.3 FT NORTH OF THE NORTH CURB EDGE OF SAID HICKORY AVENUE AND 19.4 FT EAST OF THE EAST CURB EDGE OF SAID HARVEY AVENUE.

Intermediate Mark

Vertical

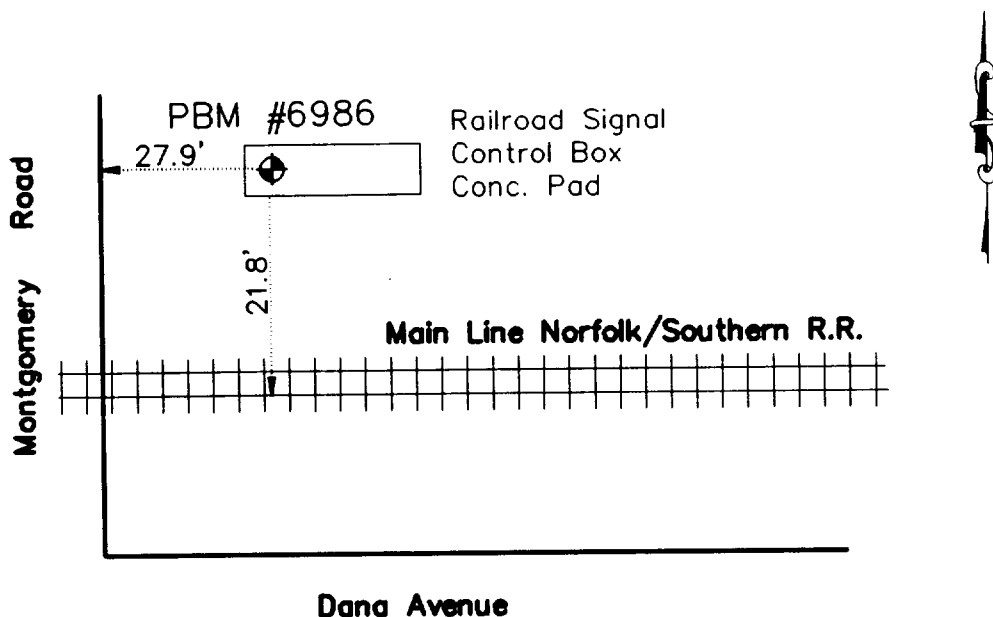
Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	230.6668
Elevation in US Survey feet	756.779
Final Adjusted Elevation from NGS	June 1991

No. 6985

Neighborhood: Avondale

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: NORWOOD



THE STATION IS LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF DANA AVENUE AND MONTGOMERY ROAD IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE EXISTING SURFACE OF A CONCRETE PAD FOR A NORFOLK/SOUTHERN RAILROAD SIGNAL CONTROL BOX WHICH IS LOCATED NORTH OF THE RAILROAD TRACKS AND ± 150 YARDS NORTH OF SAID DANA AVENUE. THE STATION IS FURTHER DESCRIBED AS BEING 27.9 FT EAST OF THE EAST CURB EDGE OF SAID MONTGOMERY ROAD AND IS 21.8 FT NORTH OF THE SOUTH GAUGE RAIL OF SAID RAILROAD.

Intermediate Mark

Vertical

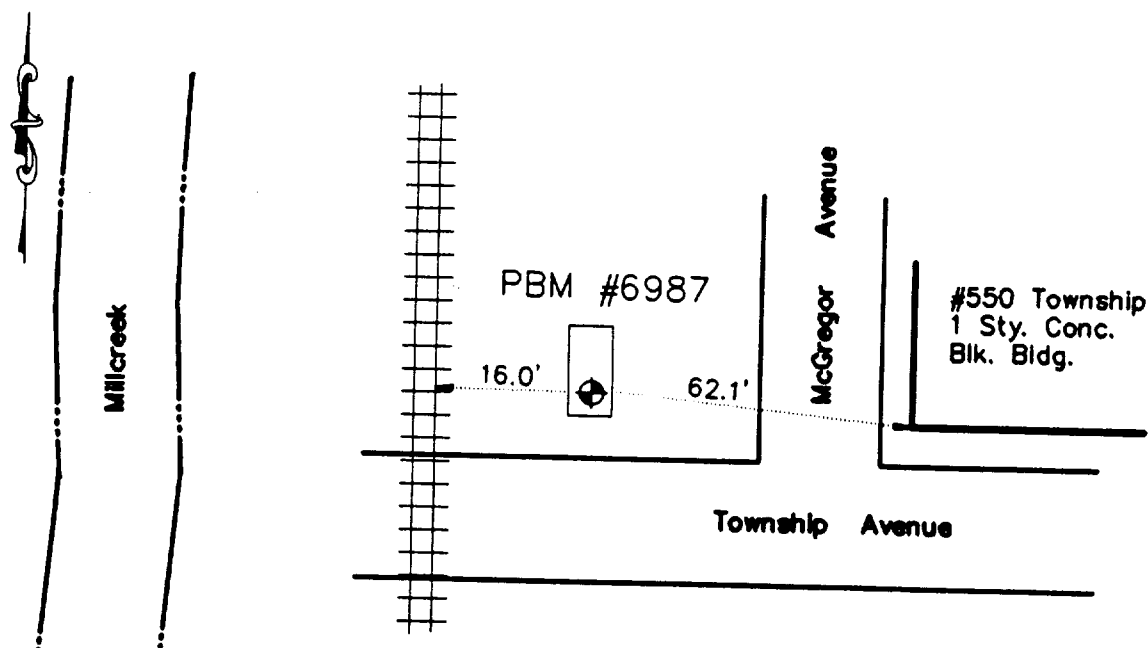
Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	216.2028
Elevation in US Survey feet	709.325
Final Adjusted Elevation from NGS	June 1991

No. 6986

Neighborhood: Norwood

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: ELMWOOD



THE STATION IS LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF MCGREGOR AND TOWNSHIP AVENUES 1/4 MILE WEST OF VINE STREET IN ELMWOOD, OHIO. THE STATION IS SET FLUSH IN A CONCRETE BASE OF A RAILROAD CROSSING LIGHT ON THE EAST SIDE OF THE RAILROAD TRACKS THAT RUNS ALONG MILLCREEK AND IS LOCATED AS BEING 62.1 FT NORTHWEST OF SOUTHWEST CORNER OF A 1 STORY BLOCK BUILDING (#550 TOWNSHIP AVE.) AND 16.0' EAST OF THE EAST RAIL OF SAID RAILROAD.

Intermediate Mark

Vertical

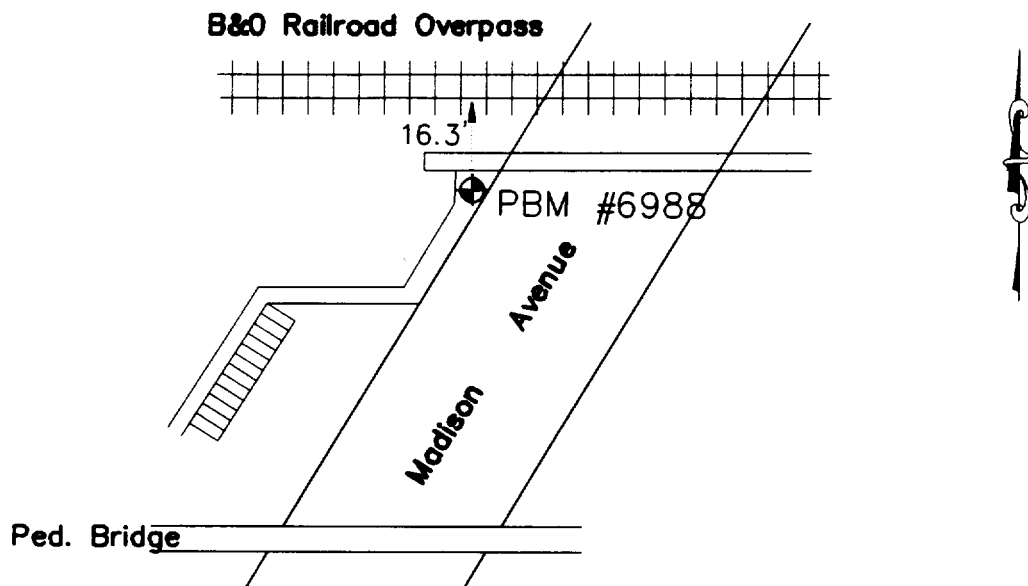
Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	156.1809
Elevation in US Survey feet	512.403
Final Adjusted Elevation from NGS	June 1991

No. 6987

Neighborhood: Elmwood

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: OAKLEY



THE STATION IS LOCATED $\pm 1/4$ MILE SOUTH OF THE INTERSECTION OF RIDGE AVENUE AND MADISON ROAD IN THE SOUTHWEST CORNER OF THE INTERSECTION OF THE B & O RAILROAD AND SAID MADISON ROAD IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE EXISTING CONCRETE SURFACE OF THE OVERPASS ABUTMENT AND IS LOCATED IN THE SOUTHWEST CORNER OF THE OVERPASS ABUTMENT OF SAID RAILROAD, ± 25 FT ABOVE THE SIDEWALK OF SAID MADISON ROAD AND 16.3' SOUTH OF THE SOUTH RAIL OF SAID RAILROAD.

Intermediate Mark

Vertical

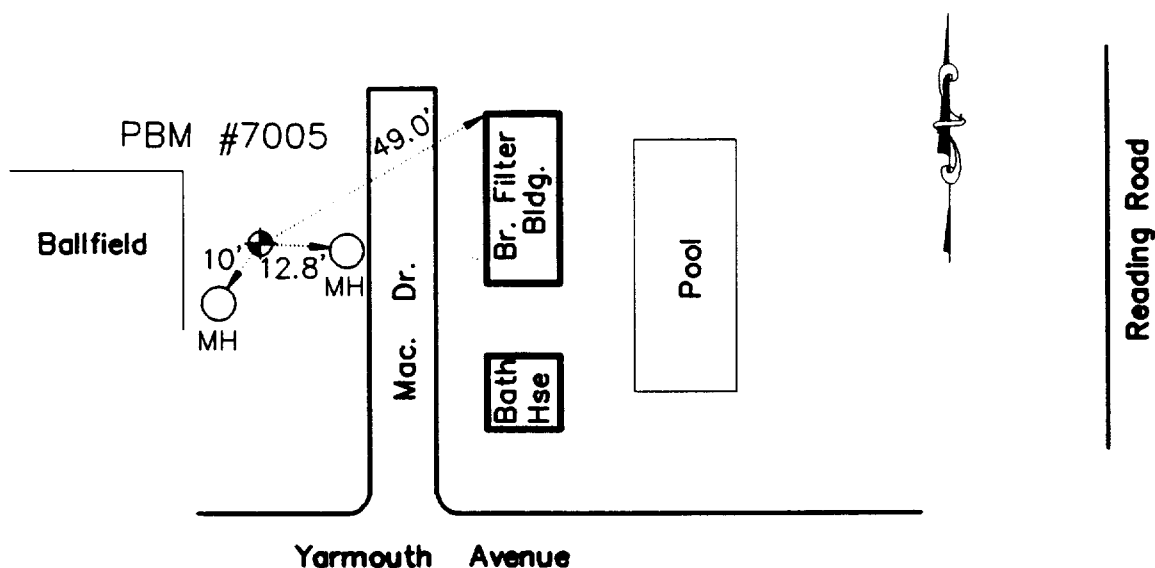
Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	187.6906
Elevation in US Survey feet	615.782
Final Adjusted Elevation from NGS	June 1991

No. 6988

Neighborhood: Oakley

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: BOND HILL PLAYGROUND



STATION IS LOCATED AT BOND HILL PLAYGROUND 100.0 FT (30.5 M) OF THE EAST LINE OF FRANKLIN STREET WHERE IT DEAD ENDS AT A 12 FT (3.7 M) CHAIN LINK FENCE AT BOND HILL PLAYGROUND IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN STREET FOR 0.41 MI (0.66 KM) TO CENTRAL PARKWAY. TURN EAST ON CENTRAL PARKWAY FOR 1 BLOCK TO READING ROAD. TURN NORTHEAST ON READING ROAD FOR 5.28 MI (8.50 KM) TO JOSEPH STREET. TURN WEST ON JOSEPH STREET FOR 2 BLOCKS TO MATLOCK STREET. TURN NORTH ON MATLOCK FOR 2 BLOCKS TO FRANKLIN AVENUE. TURN WEST ON FRANKLIN AVENUE TO THE DEAD END TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 49.0 FT SOUTHWEST OF THE NORTHEAST CORNER OF A BRICK FILTER BUILDING, 39.3 FT NORTHWEST OF THE SOUTHWEST CORNER OF SAID FILTER BUILDING, 12.8 FT WEST OF A MANHOLE AND 10.0 FT EAST OF AN INLET MANHOLE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	187.682
Elevation in US Survey feet	615.75

Final Adjusted Elevation from NGS	August 1992
--------------------------------------	----------------

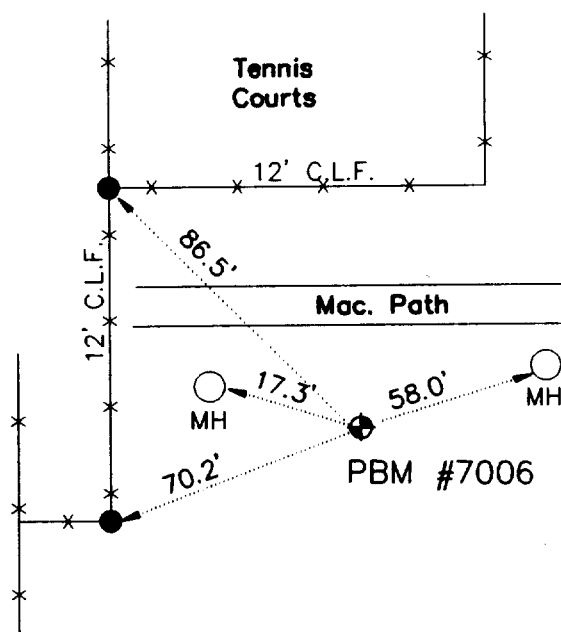
No. 7005

Neighborhood: Bond Hill

Pairs with B.M. 7006

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: BOND HILL PLAYGROUND



#7005

STATION IS LOCATED AT BOND HILL PLAYGROUND 100.0 FT (30.5 M) OF THE EAST LINE OF FRANKLIN STREET WHERE IT DEAD ENDS AT A 12 FT (3.7 M) CHAIN LINK FENCE AT BOND HILL PLAYGROUND IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN STREET FOR 0.41 MI (0.66 KM) TO CENTRAL PARKWAY. TURN EAST ON CENTRAL PARKWAY FOR 1 BLOCK TO READING ROAD. TURN NORTHEAST ON READING ROAD FOR 5.28 MI (8.50 KM) TO JOSEPH STREET. TURN WEST ON JOSEPH STREET FOR 2 BLOCKS TO MATLOCK STREET. TURN NORTH ON MATLOCK FOR 2 BLOCKS TO FRANKLIN AVENUE. TURN WEST ON FRANKLIN AVENUE TO THE DEAD END TO THE STATION. STATION IS SET FLUSH WITH THE GROUND AND IS 86.5 FT (26.4 M) SOUTHEAST OF THE NORTH CORNER POST OF THE 12 FT (3.7 M) CHAIN LINK FENCE, 70.2 FT (21.4 M) NORTHEAST OF THE SOUTH CORNER POST OF THE 12 FT (3.7 M) CHAIN LINK FENCE, 17.3 FT (5.3 M) EAST OF WESTERNMOST MANHOLE INLET ON THE EAST SIDE OF FRANKLIN STREET AND SOUTH OF THE ASPHALT PATH AND 58.0 FT (17.7 M) WEST OF THE EASTERNMOST MANHOLE INLET ON THE EAST SIDE OF THE SAID FRANKLIN STREET AND SOUTH OF THE ASPHALT PATH.

Horizontal

Latitude (dms) N 39 10 28.12597
 Longitude (dms) W 84 28 12.84780
 State Plane Zone (3402) Ohio South
 Scale 0.99994258
 Convergence (dms) -1 15 00.55
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 429,768.836
 Northing (Y) in meters 132,239.820
 Easting (X) in US Survey ft. 1,409,999.922
 Northing (Y) in US Survey ft. 433,856.809

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 186.233
 Elevation is US Survey ft. 611.00

Final Adjusted Elevation from NGS	August 1992
-----------------------------------	-------------

No. 7006

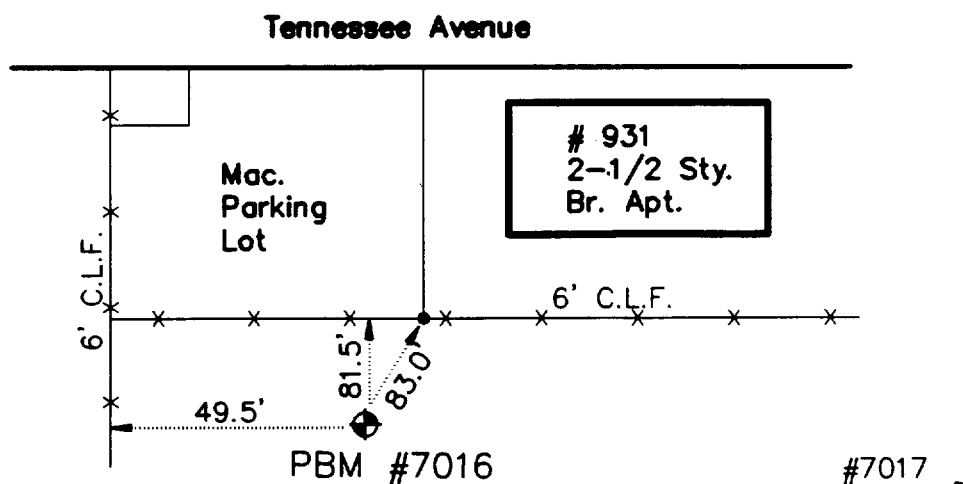
Neighborhood: Bond Hill

Grid Bearing to B.M. 7005

N 82 12 13 E

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: PADDOCK HILLS BALLFIELDS



STATION IS LOCATED IN THE NORTHWEST CORNER OF PADDOCK HILLS BALLFIELDS ON TENNESSEE AVENUE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 0.41 MI (0.66 KM) TO CENTRAL PKY. TURN EAST ON CENTRAL PKY. FOR 1 BLOCK TO READING RD. TURN NORTHEAST ON READING RD. FOR 3.83 MI (6.16 KM) TO PADDOCK. TURN NORTH ON PADDOCK FOR 0.83 MI (1.34 KM) TO TENNESSEE AVE. TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 49.5 FT (15.1 M) EAST OF THE 6 FT (1.8 M) CHAIN LINK FENCE RUNNING FROM NORTH TO SOUTH ON THE SOUTH SIDE OF TENNESSEE AVENUE, 83.0 FT (25.3 M) SOUTHWEST OF THE SOUTHWEST CORNER POST OF THE 6 FT (1.8 M) CHAIN LINK FENCE EAST OF PAVED PARKING LOT SOUTH OF THE SAID TENNESSEE AVENUE, 81.5 FT (24.8 M) SOUTH OF THE EXTENSION OF 6 FT (1.8 M) CHAIN LINK FENCE RUNNING FROM WEST TO EAST AND 38.0 FT (11.6 M) WEST OF THE EXTENSION OF THE WEST SIDE OF 2 1/2 STORY BRICK APARTMENT NO. 931 ON SOUTH SIDE OF THE SAID TENNESSEE AVENUE.

Horizontal

Latitude (dms) N 39 10 05.53559
 Longitude (dms) W 84 28 59.17252
 State Plane Zone (3402) Ohio South
 Scale 0.99994299
 Convergence (dms) -1 15 29.94
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 428,641.905
 Northing (Y) in meters 131,567.712
 Easting (X) in US Survey ft. 1,406,302.649
 Northing (Y) in US Survey ft. 431,651.734

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 160.579
 Elevation is US Survey ft. 526.83

Final Adjusted Elevation from NGS	August 1992
-----------------------------------	-------------

No. 7016

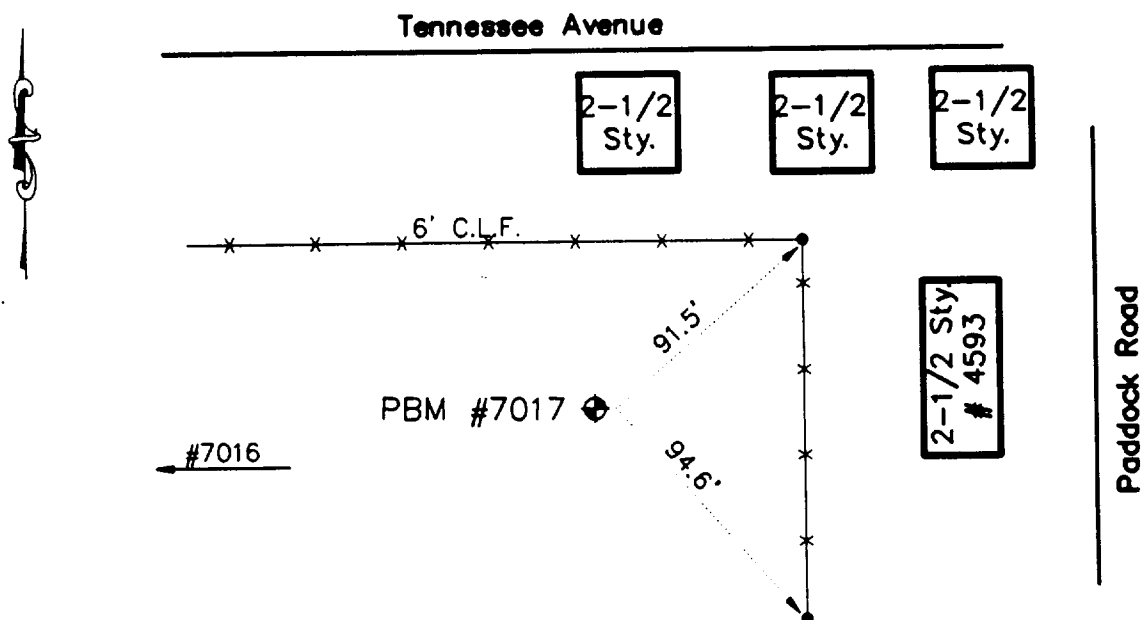
Neighborhood: Paddock Hills

Grid Bearing
 to B.M. 7017

S 80 11 45 E

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: PADDOCK HILLS BALLFIELDS



STATION IS LOCATED IN THE SOUTHEAST CORNER OF THE PADDOCK HILLS BALLFIELDS ON TENNESSEE AVENUE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 0.41 MI (0.66 KM) TO CENTRAL PKY. TURN EAST ON CENTRAL PKY. FOR 1 BLOCK TO READING RD. TURN NORTHEAST ON READING RD. FOR 3.83 MI (6.16 KM) TO PADDOCK. TURN NORTH ON PADDOCK FOR 0.83 MI (1.34 KM) TO TENNESSEE AVE. TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 94.6 FT NORTHWEST OF THE SOUTH ENDPOST OF A CHAIN LINK FENCE RUNNING FROM NORTH TO SOUTH ON THE EAST SIDE OF THE BALLPARK, 91.5 FT SOUTHWEST OF THE NORTHEAST CORNER POST OF SAID CHAIN LINK FENCE AND 3.5 FT SOUTH OF THE SOUTH BUILDING LINE PRODUCED WEST OF RESIDENCE NO. 4593.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	160.470
Elevation in US Survey feet	526.48

Final Adjusted Elevation from NGS	AUGUST 1992
--------------------------------------	----------------

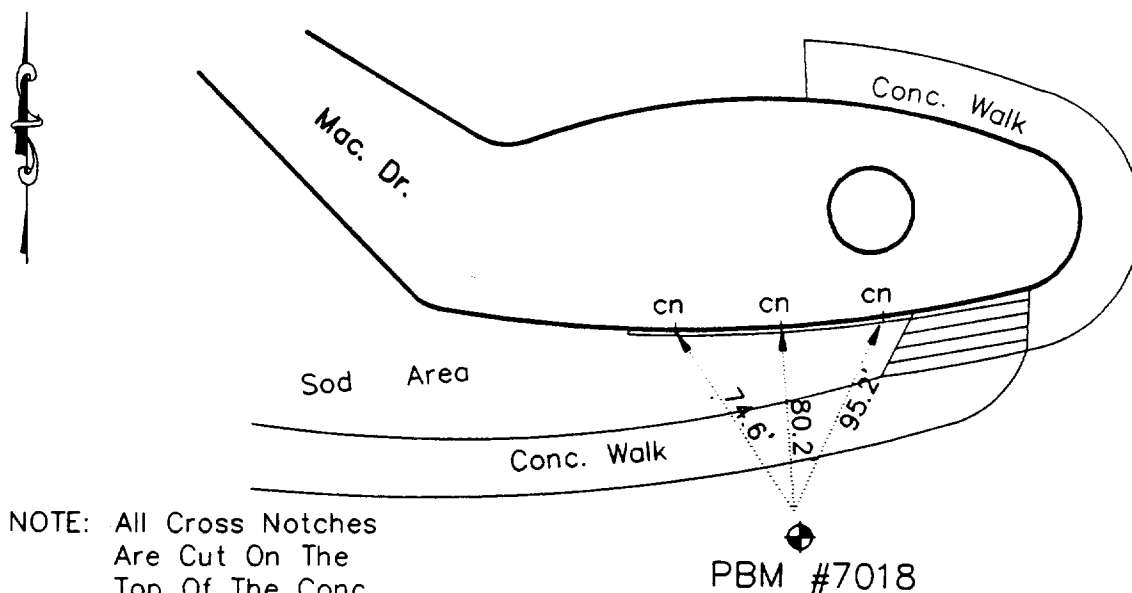
No. 7017

Neighborhood: PADDOCK HILLS

Pairs with B.M. 7016

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: DRAKE PARK



NOTE: All Cross Notches
Are Cut On The
Top Of The Conc.
Curb.

PBM #7018

STATION IS LOCATED AT THE OVERLOOK AREA IN DRAKE PARK IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED EAST ALONG 5TH ST. TO I-71 NORTH ENTRANCE RAMP. TURN NORTH ON I-71 TO EXIT NO. 9 AT RED BANK EXPY. TURN SOUTH ON RED BANK EXPY. TO DUCK CREEK RD. TURN WEST ON DUCK CREEK RD. FOR 1 BLOCK TO RED BANK ROAD. TURN NORTH ON RED BANK RD. FOR 0.78 MI (1.26 KM) TO DRAKE PARK TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 74.6 FT (22.7 M) SOUTHEAST OF THE WESTERNMOST CROSS NOTCH CUT ON TOP OF THE SOUTH CONCRETE CURB OF MACADAM DRIVE, 80.2 FT (24.4 M) SOUTH OF THE MIDDLE CROSS NOTCH WHICH IS 17.8 FT (5.4 M) EAST OF THE WESTERNMOST CROSS NOTCH AND 95.2 FT (29.0 M) SOUTHWEST OF THE EASTERNMOST CROSS NOTCH WHICH IS 28.0 FT (8.5 M) EAST OF THE MIDDLE CROSS NOTCH CUT ON TOP OF THE SAID CONCRETE CURB.

Horizontal

Latitude (dms) N 39 10 26.48202
 Longitude (dms) W 84 24 10.23006
 State Plane Zone (3402) Ohio South
 Scale 0.99994261
 Convergence (dms) -1 12 26.60
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 435,589.813
 Northing (Y) in meters 132,064.258
 Easting (X) in US Survey ft. 1,429,097.577
 Northing (Y) in US Survey ft. 433,280.819

Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88

Elevation in meters
 Elevation is US Survey ft.

Final Adjusted Elevation
 from NGS

Grid Bearing
 to B.M.

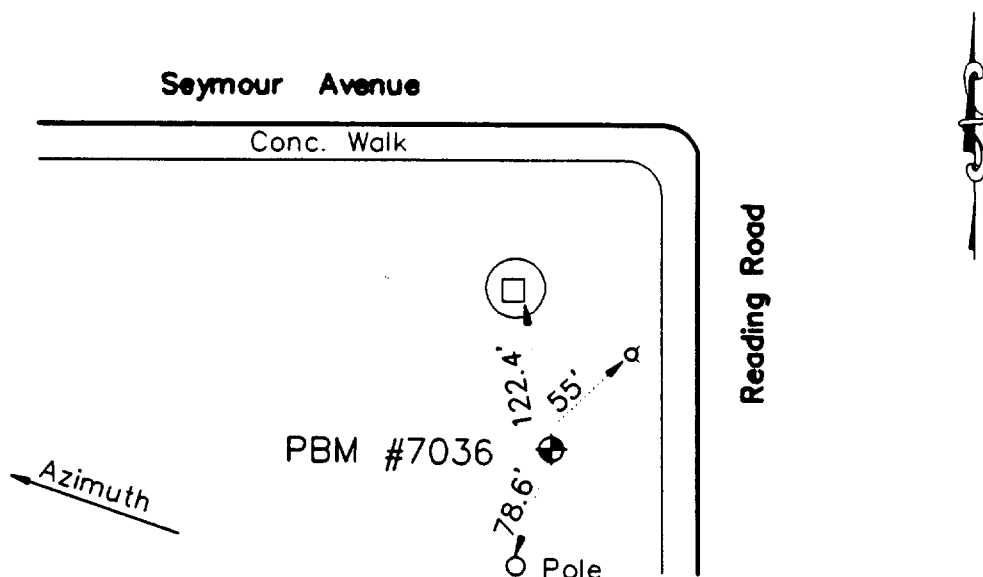
No. 7018

Neighborhood: Kennedy Heights

Final Adjusted Coordinate from NGS	March 1992
---------------------------------------	---------------

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: WOODWARD HIGH SCHOOL



STATION IS LOCATED AT WOODWARD HIGH SCHOOL GROUND AT THE CORNER OF SEYMOUR AVENUE AND READING ROAD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN STREET FOR 0.41 MI (0.66 KM) TO CENTRAL PARKWAY. TURN EAST ON CENTRAL PARKWAY FOR 1 BLOCK TO READING ROAD. TURN NORTHEAST ON READING ROAD FOR 6.30 MI (10.14 KM) TO SEYMOUR AVENUE TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 19.1 FT (5.8 M) WEST OF THE WESTERNMOST SIDE OF CONCRETE WALK ALONG READING ROAD, 55.0 FT (16.8 M) SOUTHWEST OF A FIRE HYDRANT ON THE WEST SIDE OF THE SAID READING ROAD, 78.6 FT (24.0 M) NORTH OF POWER POLE ON THE WEST SIDE OF THE SAID READING ROAD AND 122.4 FT (37.3 M) SOUTHEAST OF THE SOUTH CORNER OF CONCRETE BASE OF WOODWARD MONUMENT ON THE SOUTHWEST CORNER OF SEYMOUR AVENUE AND READING ROAD.

Horizontal	
Latitude (dms)	N 39 11 20.35501
Longitude (dms)	W 84 27 50.12734
State Plane Zone	(3402) Ohio South
Scale	0.99994169
Convergence (dms)	-1 14 46.13
Accuracy	1st Order
Datum	NAD 83
Easting (X) in meters	430,349.076
Northing (Y) in meters	133,838.137
Easting (X) in US Survey ft.	1,411,903.594
Northing (Y) in US Survey ft.	439,100.622

Vertical	
Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	175.834
Elevation in US Survey ft.	576.88

Final Adjusted Elevation from NGS	August 1992
-----------------------------------	-------------

Final Adjusted Coordinate from NGS	March 1992
------------------------------------	------------

Grid Bearing
to B.M. 9011

Neighborhood: Roselawn

No. 7036
N 75 11 03 W